

SAFETY SIGN SYSTEM PRODUCTS & PIPE MARKING



LOTEK[®]
S A F E T Y



IMO SAFETY SIGN SYSTEM PRODUCTS



INTRODUCTION

Lifesaving measures and ensuring safe work conditions are crucial for the safety of passengers and crew aboard ships and offshore installations. Managing risks is essential to enhance overall safety. Safety signage and pipe markings help identify potential risks and contribute to the safety of individuals. T-ISS, together with its sister company Blomsma Signs & Safety, has a long-standing tradition in the marine and offshore sectors, providing signage solutions for many decades. We actively participate in clarifying ISO standards regarding safety signs and pipe marking, ensuring they align with regulations in practical applications.

Member
 TC ISO



TC8/SC1
 TC145/SC2

Onboard passenger vessels, clear escape signage is of utmost importance, as passengers are generally unfamiliar with escape routes in case of an emergency. The IMO and SOLAS require clear marking of escape routes, including explanations of prescribed symbols from the point of origin.

According to regulations and standards, an escape sign system consists of:

- Safety instructions to explain the LLL (Low Location Lighting) and signs, providing orientation to primary and secondary escape routes.
- Low Location Lighting (LLL) for an uninterrupted illuminated guidance line throughout all escape routes, leading to assembly and embarkation stations.
- Escape signs to guide all persons onboard to assembly stations via both primary and secondary escape routes, and from assembly stations to embarkation stations.

T-ISS offers all components for a complete Escape Sign System and other safety signage, including rescue, firefighting, fire control, warnings, prohibitions, and mandatory signs, as well as pipe markings and maritime safety posters.

T-ISS is an ISO 9001 approved company. Our products meet all international quality standards and hold all relevant certificates and approvals. Consequently, they are recognized by most benchmark systems and regulatory authorities.

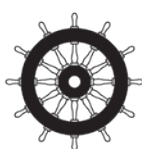




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SAFETY SIGNAGE IMPLEMENTATION & CERTIFICATION 121

LOW LOCATION LIGHTING SYSTEM



INNOVATIVE NEW MATERIAL: PET-X

T-ISS offers as the only manufacturer in the market SafeSign PET-X LLL photoluminescent strips. This innovative product offers the following benefits:

- Glossy finish
- PVC Free
- Halogen Free
- Easy to wipe clean
- UV resistant
- Recyclable
- No end caps needed
- 5 year warranty
- >10 years life durability
- No shrinking
- 50% timesaving on installation
- Self-adhesive backing
- Salt Water resistant

Benefits compared to aluminium profile systems:

- No lost or loose end caps
- No gaps due to shrinking
- No more dirt collections on profile
- No mechanical damages
- No more dirt on insert which cannot be removed



LIGHTLINE PET-X STRIPS



The LightLine LLL System is the easiest and most cost effective Low Location Lighting system to install, requiring only the application of the LLL strips where needed. Cutting on required lengths can be done easily with a knife. The system is finalized by positioning the LLL signs/stickers at the right places. When you choose to install our LightLine system, time savings up to 200% can be achieved.

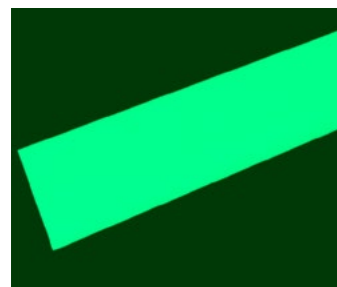
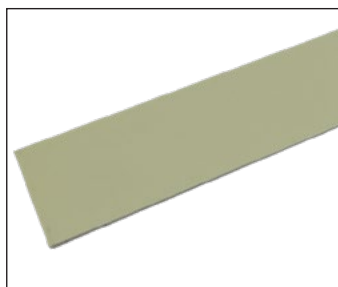
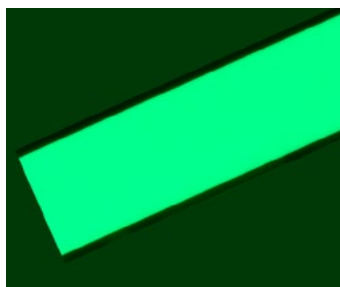
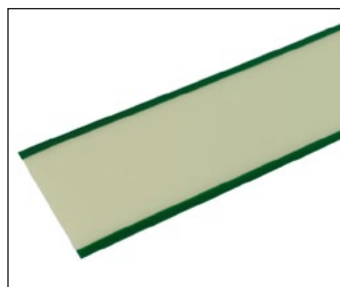
LightLine Pet-X photoluminescent strips are Non PVC/ Halogen-free plastic strips with backlighting material and a strong self-adhesive foam tape on the back. The material has a 'glossy' finish which is easy to clean and gives it a high quality appearance. The LightLine strips are available with or without 5mm safety green edges at the top and bottom of the strips.



LightLine strips have a standard length of 1 m, 50 mm height and are produced with the high luminescence class XXL. All strips have a self-adhesive backing for easy fixing during new builds or refurbishment projects. LightLine strips are besides Non PVC/halogen-free, flame retardant and therefore exceeding all current requirements. Upon request we can manufacture LightLine strips in other widths and/or with other coloured marking stripes.



Note; The width of the photoluminescent material in the strips with the green edges is shown in parentheses, the width of the green edges is 2 x 5 mm.



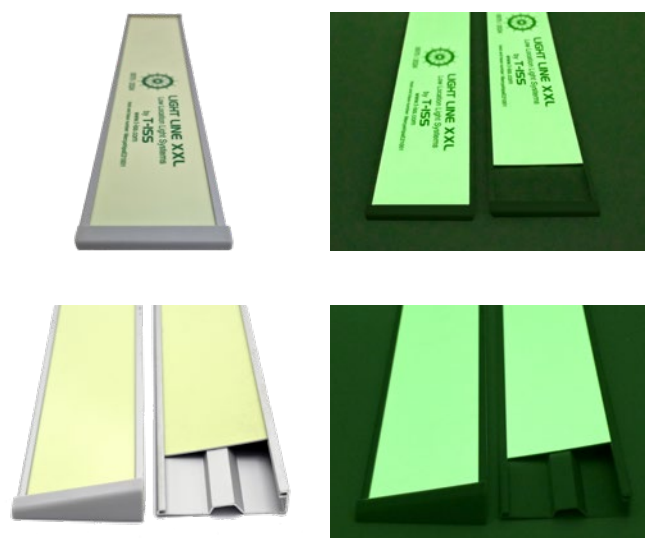
Article number	Description	Dimensions	Quality	Thickness
SX060CG	LightLine Strip Pet-X green edges	1 m x 60 mm (50 mm)	XXL	1,5 mm
SX100CG	LightLine Strip Pet-X green edges	1 m x 100 mm (90 mm)	XXL	1,5 mm
SX040CN	LightLine Strip Pet-X neutral	1 m x 40 mm	XXL	1,5 mm
SX050CN	LightLine Strip Pet-X neutral	1 m x 50 mm	XXL	1,5 mm
SX070CN	LightLine Strip Pet-X neutral	1 m x 70 mm	XXL	1,5 mm

ALUMINIUM PROFILES AND INSERTS



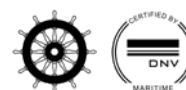
Our LightLine LLL Profile System is a system consisting of an extruded aluminium carrier and rigid photoluminescent strips. We have two different types of profiles at our range; an angled or a flat profile containing a 55,4 mm wide visible backlighting strip. The performance of the rigid panels is certified by DNV.

The flat profile is made of anodized aluminium and contains a central channel in which a strip of photoluminescent material is inserted. End caps are available to protect the ends of the profile. The angled profile is slightly angled away from the vertical to allow the photoluminescent strip to catch more light.



Article number	Description	Dimensions	Quality
IPA055CN	LightLine Insert PVC for angled profile	1 m x 55,4 mm	XXL
PAA60-100	Insertprofile ALU angled (insert 55,4 mm)	1 m x 60 mm	Alu. anodised
PAA60-300	Insertprofile ALU angled (insert 55,4 mm)	3 m x 60 mm	Alu. anodised
ENDCAP-AL	LLL endcap angled profile left	15 mm x 60 mm	Plastic
ENDCAP-AR	LLL endcap angled profile right	15 mm x 60 mm	Plastic
IPF056CN	Lightline Insert PVC for flat profile	1 m x 56 mm	XXL
PAF60-100	Insertprofile ALU flat (insert 56 mm)	1 m x 60 mm	Alu. anodised
PAF60-300	Insertprofile ALU flat (insert 56 mm)	3 m x 60 mm	Alu. anodised
ENDCAP-FL	Endcap flat profile left	600 x 50mm	Plastic
ENDCAP-FR	Endcap flat profile right	600 x 50mm	Plastic

LIGHTLINE PHOTOLUMINESCENT TAPES



General description

T-ISS manufactures various photoluminescent tapes to indicate escape routes on cruise ships, ferries, roll-on/roll-off ships, offshore installations and many other vessel types. These tapes are being made using PVC, PU or PET materials.

The PU material tape is especially used for applications with rounded surfaces and locations where heavy duty materials are required.

All the photoluminescent tapes comply with the IMO & SOLAS regulations. They have a strong adhesive layer which ensures an extremely good adhesion on many different substrates. The tapes are specially designed for mounting on board of ships and have excellent aging and weather resistant properties. Because of these properties the tapes are suitable for both indoor and outdoor applications/usage. The photoluminescent tapes are not only applicable in the maritime and offshore sector but also in the installation business, such as office buildings and hallways.



Technical data

Elongation	24%
Weight:	300 g - 40 mm, 375 g - 50 mm, 600 g - 80 mm
Thickness:	0,175 mm
Tensile strength:	Approx. 5 kg

Luminance intensity (mcd / m ²)	10 min	60 min
Class XXL	200	30
Class M	50	7



Approvals

- Wheelmark
- DNV

Standards

- The product complies with IMO A752(18) and ISO 15370 which include ships and marine technology / low location lighting on passenger ships arrangements.

Please note that the degree of luminance and its longevity can vary depending on the level of excitation achieved. The illumination is influenced by the frequency of the light source and the quality of the illumination provided.

LIGHTLINE PHOTOLUMINESCENT TAPES

T-ISS LIGHTLINE TAPE PET

Other widths available on request

Article number	Description	Dimensions	Quality	IMPA	ISSA
LLTP040CN	LightLine Tape PET neutral	40 mm x 10 m	XXL	-	-
LLTP050CN	LightLine Tape PET neutral	50 mm x 10 m	XXL	-	-
LLTP080CN	LightLine Tape PET neutral	80 mm x 10 m	XXL	-	-

T-ISS LIGHTLINE TAPE PVC

Article number	Description	Dimensions	Quality	IMPA	ISSA
LLTV040CN	LightLine Tape PVC neutral	40mm x 10mtr	XXL	332014	4752014
LLTV050CN	LightLine Tape PVC neutral	50mm x 10mtr	XXL	-	-
LLTV080CN	LightLine Tape PVC neutral	80mm x 10mtr	XXL	332018	-
LLTV040BN	LightLine Tape PVC neutral	40mm x 10mtr	M	332014	4752014
LLTV050BN	LightLine Tape PVC neutral	50mm x 10mtr	M	-	-
LLTV080BN	LightLine Tape PVC neutral	80mm x 10mtr	M	332018	-



According ISO 15370;
Only dead-end corridors

Article number	Description	Dimensions	Quality	IMPA	ISSA
LLTV040CA	LightLine Tape PVC arrow	40mm x 10mtr	XXL	-	-
LLTV080CA	LightLine Tape PVC arrow	80mm x 10mtr	XXL	-	-
LLTV040BA	LightLine Tape PVC arrow	40mm x 10mtr	M	-	-
LLTV080BA	LightLine Tape PVC arrow	80mm x 10mtr	M	-	-



According ISO15370; Please note; this tape is delivered with 3x ES1032, 3x ES1033, 3x ES1004, 3x ES1005 stickers. Other symbols upon request.

Article number	Description	Dimensions	Quality	IMPA	ISSA
LLTV040CE	LightLine Tape PVC escape direction	40mm x 10mtr	XXL	332024	4752024
LLTV050CE	LightLine Tape PVC escape direction	50mm x 10mtr	XXL	-	-
LLTV080CE	LightLine Tape PVC escape direction	80mm x 10mtr	XXL	332028	-
LLTV040BE	LightLine Tape PVC escape direction	40mm x 10mtr	M	332024	4752024
LLTV050BE	LightLine Tape PVC escape direction	50mm x 10mtr	M	-	-
LLTV080BE	LightLine Tape PVC escape direction	80mm x 10mtr	M	332028	-



LOW LOCATION LIGHTING MINI SYMBOLS

According to IMO Resolution A.752(18) and ISO 15370, escape symbols must be incorporated to direct passengers to the assembly stations as required by SOLAS regulation III/24, as amended. The ship's safety plan and escape calculations provide information on the primary and secondary escape routes to the assembly stations. These escape routes should be marked with the assembly station symbol for primary routes and the 'running man' symbol for secondary routes. This ensures that every corridor offers two escape options, avoiding dead-end situations. In such cases, escape signs should be installed every 1.5 meters. At locations where escape routes diverge towards different assembly stations, identification letters should be included for clarity.

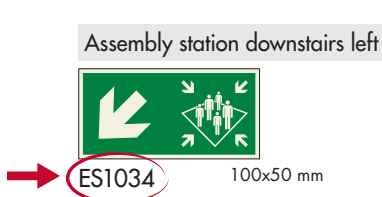
Escape routes from assembly stations to embarkation stations should also be clearly marked, using identification numbers if necessary. Escape doors that are part of the primary or secondary escape routes should be marked with a door-marking strip leading to the door handle, along with an escape sign at the lower part of the door marking.

Firefighting equipment and fire alarm call points should also be marked at a low level for visibility. The minimum height for symbols used in the Low Location Lighting (LLL) system is 50 mm.



T-ISS offers standard transparent, translucent self-adhesive mini symbols with a height of 50 mm, with other sizes available upon request. For smaller LLL strips or electrical LED LLL systems, PET-X mini symbols are available. Be sure to also order PET-X firefighting mini symbols for areas where firefighting equipment is located opposite the LLL strip.

HOW TO ORDER SIGNS



Step 1

Sign symbol; mention the symbol code as stated in the catalog



Step 2

Sign size; the standard size in which we supply the sign is the mentioned sizes in the catalog
50x50mm > signs for use in LLL
For other sizes, please provide the sign height
150x150mm > signs at eye level (see from page 28)



Step 3

Material; Standard we supply the mini symbols transparent.
For use together with electrical LLL, or when firefighting equipment is located opposite to the LLL, ask for PET-X.

LOW LOCATION LIGHTING MINI SYMBOLS

ALL LLL MINI SYMBOLS ARE SUPPLIED IN THE TRANSLUCENT VERSION, ON REQUEST A PET-X VERSION IS AVAILABLE FOR USE IN COMBINATION WITH LED LLL OR WHEN FIRE FIGHTING EQUIPMENT IS LOCATED AT THE OPPOSITE SIDE OF A CORRIDOR.

Emergency exit (left hand)



ES0001
50x50 mm

Emergency exit (right hand)



ES0002
50x50 mm

Shipboard assembly station



ES0004
50x50 mm

Escape direction, arrow (90°)



ES0006
50x50 mm

Escape direction, arrow (45°)



ES0007
50x50 mm

Marine evacuation slide



ES0009
50x50 mm

Marine evacuation chute



ES0010
50x50 mm

Liferaft



ES0014
50x50 mm

Door slides right to open



ES0017
50x50 mm

Door slides left to open



ES0018
50x50 mm

Helicopter landing area



ES0030
50x50 mm

LLL Stairs end left



ES1120
50x50 mm

LLL Stairs end right



ES1121
50x50 mm

LLL Stairs (45° left)



ES1122
50x50 mm

LLL Stairs (45° right)



ES1123
50x50 mm

Crossing left



ES1124
75x50 mm

Crossing right



ES1125
75x50 mm

Escape route forward/Esc. door



ES1001
100x50 mm

Escape door opens left



ES1002
100x50 mm

Escape route downwards



ES1003
100x50 mm

Escape route to the left



ES1004
100x50 mm

Escape route to the right



ES1005
100x50 mm

Escape route downstairs left



ES1006
100x50 mm

Escape downstairs right



ES1007
100x50 mm

Escape upstairs left



ES1008
100x50 mm

Escape upstairs right



ES1009
100x50 mm



LOW LOCATION LIGHTING MINI SYMBOLS

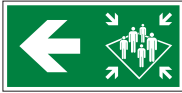
ALL LLL MINI SYMBOLS ARE SUPPLIED IN THE TRANSLUCENT VERSION, ON REQUEST A PET-X VERSION IS AVAILABLE FOR USE IN COMBINATION WITH LED LLL OR WHEN FIRE FIGHTING EQUIPMENT IS LOCATED AT THE OPPOSITE SIDE OF A CORRIDOR.

Assembly station forward



ES1030
100x50 mm

Assembly station left



ES1032
100x50 mm

Assembly station right



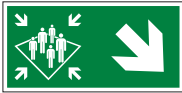
ES1033
100x50 mm

Assembly station downstairs left



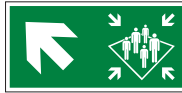
ES1034
100x50 mm

Assembly station downstairs right



ES1035
100x50 mm

Assembly station upstairs left



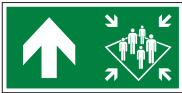
ES1036
100x50 mm

Assembly station upstairs right



ES1037
100x50 mm

Assembly station forward/up



ES1038
100x50 mm

Lifeboat forward/up



ES1050
100x50 mm

Lifeboat to the left



ES1052
100x50 mm

Lifeboat to the right



ES1053
100x50 mm

Lifeboat downstairs left



ES1054
100x50 mm

Lifeboat downstairs right



ES1055
100x50 mm

Lifeboat upstairs left



ES1056
100x50 mm

Lifeboat upstairs right



ES1057
100x50 mm

DOOR MARKING SYMBOLS

Escape route forward left vertical



ES1101
50x100 mm

Escape route forward right vertical



ES1102
50x100 mm

Escape route to the left vertical



ES1103
50x100 mm

Escape route to the right vertical



ES1104
50x100 mm



Assembly station forward vertical



ES1105
50x100 mm

Assembly station to the left vertical



ES1106
50x100 mm

Assembly station to the right vertical



ES1107
50x100 mm

LOW LOCATION LIGHTING MINI SYMBOLS

ALL LLL MINI SYMBOLS ARE SUPPLIED IN THE TRANSLUCENT VERSION, ON REQUEST A PET-X VERSION IS AVAILABLE FOR USE IN COMBINATION WITH LED LLL OR WHEN FIRE FIGHTING EQUIPMENT IS LOCATED AT THE OPPOSITE SIDE OF A CORRIDOR.

Escape route forward left vertical



Escape route forward right vertical



Assembly station forward vertical



NUMBERS TO IDENTIFY ESCAPE ROUTES TO LIFEBOAT AND EMBARKATION STATIONS

Number 1



Number 2



Number 3



Number 4



Number 5



Number 6



Number 7



Number 8



Number 9



LETTERS TO IDENTIFY ESCAPE ROUTES TO LIFEBOAT AND ASSEMBLY STATIONS

Letter A



Letter B



Letter C



Letter D



Letter E



Letter F



Letter G



Letter H



Letter J



Letter K



Fire extinguisher



Fire alarm call point



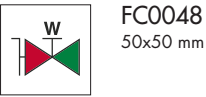
Fire hose reel



Unconnected empty fire hose



Fire hydrant



MEASUREMENTS AND CERTIFICATION

Why are low location lighting measurements necessary?

According to several regulations, vessels that carry passengers are obligated to have a Low Location Lighting system installed. This could be a photo luminescent system as well as an electric system. A photo luminescent system is charged by the lighting on the vessel and will use the energy it collects to light up in the dark. The big advantage of this system is that there are no electric installations that need to be installed.

T-ISS is accredited by DNV to execute Low Maritime Location Lighting measurement services, our certification can be found on our website. As a vessel owner, you need to test all Low Location Lighting systems at least once every five years. Our engineers will test the luminance of your LLL systems on-board with fully certified test equipment. The photoluminescence measurement process as well as equipment are all certified by DNV.

Luminance properties

The rules, regulations and standards classify the luminescence of signage and low location light systems as per below table, SafeSign products meet or exceed the required luminance.



Applicable Standards and Resolutions vs. SafeSigns	Luminescent intensity (mcd/m ²) (After removing the existing light)	
	10 minutes	60 minutes
IMO Res. A. 752(18)	15 mcd/m ²	2 mcd/m ²
ISO 15370	15 mcd/m ²	2 mcd/m ²
DIN 67 510-4	23 mcd/m ²	3 mcd/m ²
ISO 17398 Class A	25 mcd/m ²	3 mcd/m ²
ISO 17398 Class B	50 mcd/m ²	7 mcd/m ²
ISO 17398 Class C	140 mcd/m ²	20 mcd/m ²
ISO 17398 Class D	260 mcd/m ²	35 mcd/m ²
ISO 17398 Class E	400 mcd/m ²	55 mcd/m ²
ISO 17398 Class F	520 mcd/m ²	70 mcd/m ²
SafeSign XL	Class B+	Class B+
SafeSign XXL	Class C+	Class C+
SafeSign XXX	Class E+	Class E+

The mentioned value's according to IMO Res. A 752(18) in above table are applicable when the width of the photoluminescent LLL is 75 mm. For all other heights, the values need to be re-calculated as specified in ISO15370:2021 Annex D. Below table show the minimum requirement for different widths.

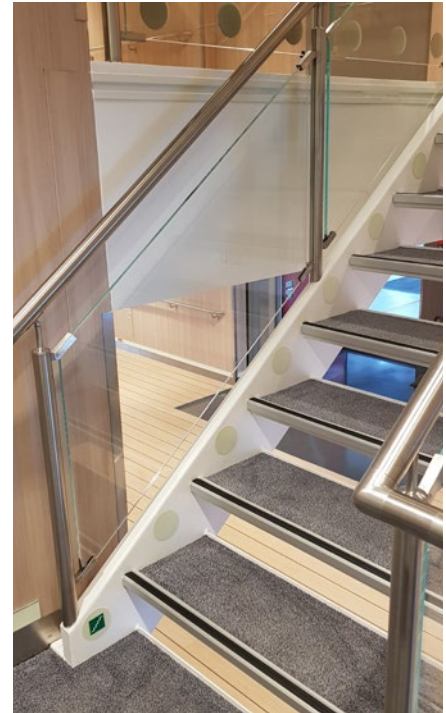
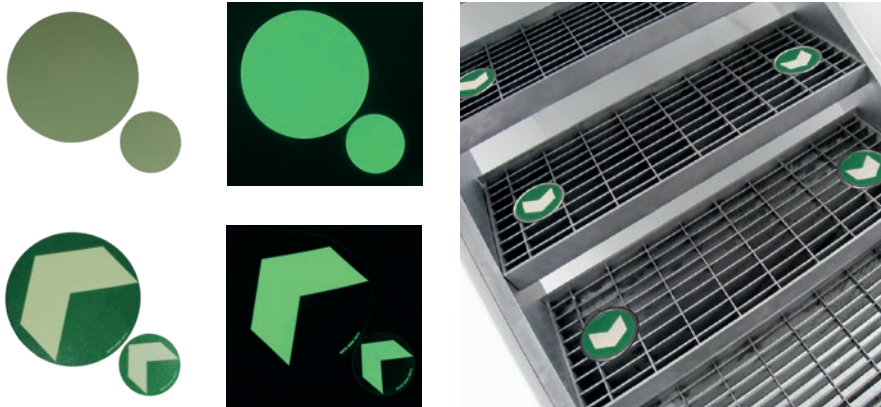
Height of LLL system in mm	Luminescent intensity (mcd/m ²) (After removing the existing light)	
	10 minutes	60 minutes
75 mm	15,0 mcd/m ²	2,0 mcd/m ²
65 mm	23,4 mcd/m ²	3,1 mcd/m ²
50 mm	33,8 mcd/m ²	4,5 mcd/m ²
40 mm	52,7 mcd/m ²	7,0 mcd/m ²
30 mm	93,7 mcd/m ²	12,5 mcd/m ²
25 mm	135,0 mcd/m ²	18,0 mcd/m ²

ADDITIONAL AND OTHER LLL PRODUCTS

TRAILDOTS

Photoluminescent aluminium traildots for marking routes with or without arrow. In diameter 90 mm or 200 mm. All traildots have a self-adhesive backing.

Also available: a special mounting bracket designed for anti-skid traildots to fix on metal stair steps. Please contact us for more information of these mounting brackets.



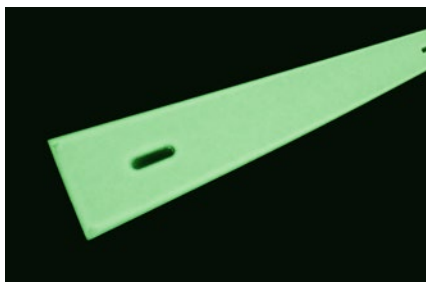
Article number	Description	Dimension
DOT090N-A	LLL Traildot antiskid neutral	Ø 90 mm
DOT200N-A	LLL Traildot antiskid neutral	Ø 200 mm
DOT090A-A	LLL Traildot antiskid arrow	Ø 90 mm
DOT200A-A	LLL Traildot antiskid arrow	Ø 200 mm
DOT090N-S	LLL Traildot smooth neutral	Ø 90 mm

SLOT STRIP

Our Slot Strips are specially designed with pre-drilled holes which allows you to install them on the roughest services.

Technical data

Width: 1000 mm x 50 mm
Material: Aluminium
Quality: XXL



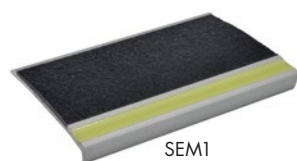
Art. number	Description	Dimension
ALUSLOT4	LLL Slot Strip	1000 mm x 50 mm

ADDITIONAL AND OTHER LLL PRODUCTS

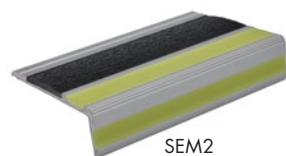
STAIRNOSE MARKERS

Luminous stair step signs for marking stairs in escape routes mainly include stair step strips, side edge markers and round wall or floordots. Like regular stair step strips, our photoluminescent stair step strips also has an anti-slip coating which will reduce falling or tripping. The strips clearly display the steps at night or during a power failure.

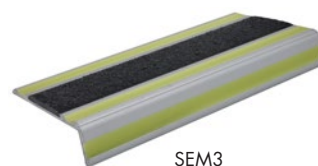
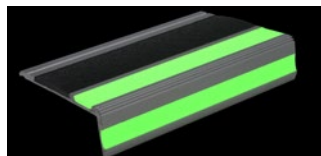
Luminance intensity (mcd/m ²)	10 min	60 min
Quality XXL	700 mcd/m ²	100 mcd/m ²



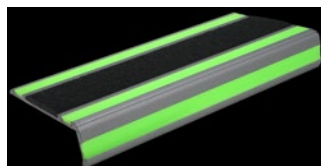
SEM1



SEM2



SEM3



Article number	Description	Dimension
SNM1-100	Stair nose marker	1,0 m x 75 mm
SNM1-120	Stair nose marker	1,2 m x 75 mm
SNM2-100	Stair nose marker	1,0 m x 75 mm
SNM2-120	Stair nose marker	1,2 m x 75 mm
SNM3-100	Stair nose marker	1,0 m x 75 mm
SNM3-120	Stair nose marker	1,2 m x 75 mm



Including a self adhesive backing and 90 degrees angle (200 + 40 mm).

Article number	Description	Dimension
STMNA	Stair nose marker	50 x 200 mm



SAFETY MARKING TAPE PHOTOLUMINESCENT

General description

T-ISS Safety Marking Tape Photoluminescent is used to show contours in spaces. The outlines of (emergency) exits, obstacles and areas to be kept clear or for example, fire extinguishers can be marked with luminous Safety Marking Tapes.

The Safety Marking Tapes Photoluminescent complies with the IMO & SOLAS regulations, have a strong adhesive layer and are suitable for both indoor and outdoor applications/usage.

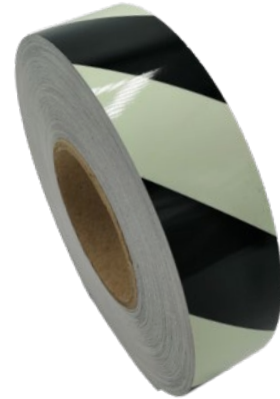
Technical data

Elongation: 24%
Weight: 300 g - 40 mm / 600 g - 80 mm
Thickness: 0,175 mm
Tensile strength: Approx. 5 kg

Luminance intensity (mcd / m ²)	10 min	60 min
Class XXL	200	30
Class M	50	7

Standards

- The product complies with IMO A752(18) and ISO 15370 which include ships and marine technology / low location lighting on passenger ships arrangements.



Other widths available on request

Article number	Description	Dimensions	Quality	IMPA	ISSA
SMTV040CG	Safety Marking Tape PVC green	40 mm x 10 m	XXL	332034	4752034
SMTV080CG	Safety Marking Tape PVC green	80 mm x 10 m	XXL	332038	-
SMTV040AG	Safety Marking Tape PVC green	40 mm x 10 m	M	332034	4752034
SMTV080AG	Safety Marking Tape PVC green	80 mm x 10 m	M	332038	-



Other widths available on request

Article number	Description	Dimensions	Quality	IMPA	ISSA
SMTV040CR	Safety Marking Tape PVC red	40 mm x 10 m	XXL	332054	4752054
SMTV080CR	Safety Marking Tape PVC red	80 mm x 10 m	XXL	332058	-
SMTV040AR	Safety Marking Tape PVC red	40 mm x 10 m	M	332054	4752054
SMTV080AR	Safety Marking Tape PVC red	80 mm x 10 m	M	332058	-



Other widths available on request

Article number	Description	Dimensions	Quality	IMPA	ISSA
SMTV040CB	Safety Marking Tape PVC Black	40 mm x 10 m	XXL	332044	4752044
SMTV080CB	Safety Marking Tape PVC Black	80 mm x 10 m	XXL	332048	-
SMTV040AB	Safety Marking Tape PVC Black	40 mm x 10 m	M	332044	4752044
SMTV080AB	Safety Marking Tape PVC Black	80 mm x 10 m	M	332048	-

ELECTRICAL LOW LOCATION LIGHTING



Electrical Low Location Lighting systems can be installed both floor-mounted or wall-mounted. Electrical Low Location Lighting systems are considered 'active' systems, compared to 'passive' LLL systems made of photoluminescent material.

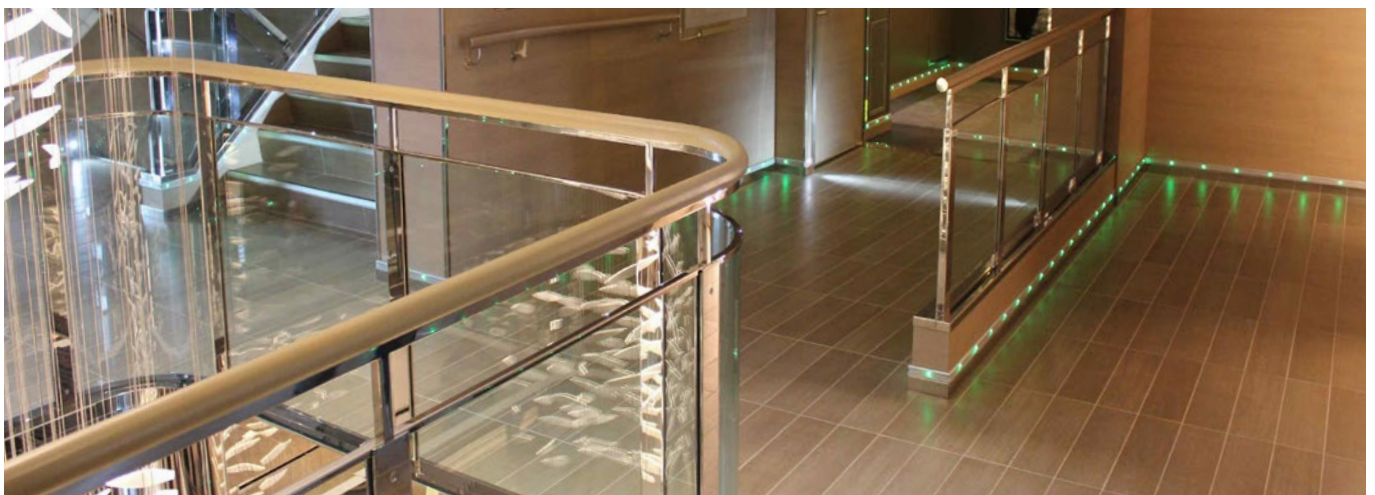
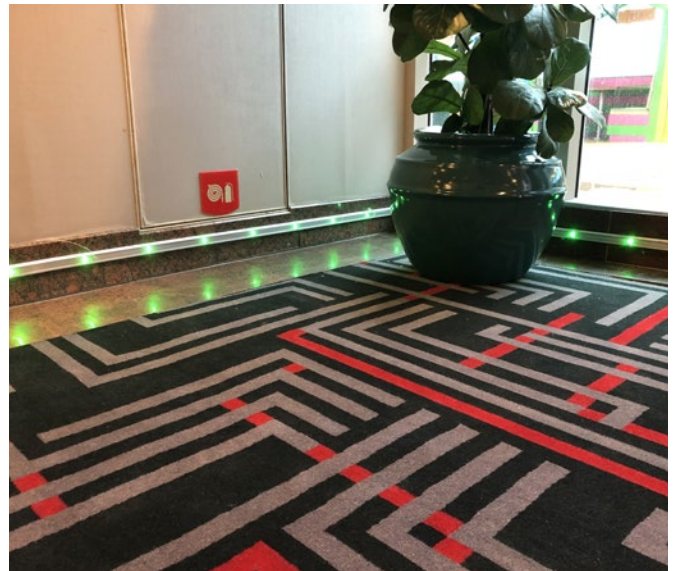
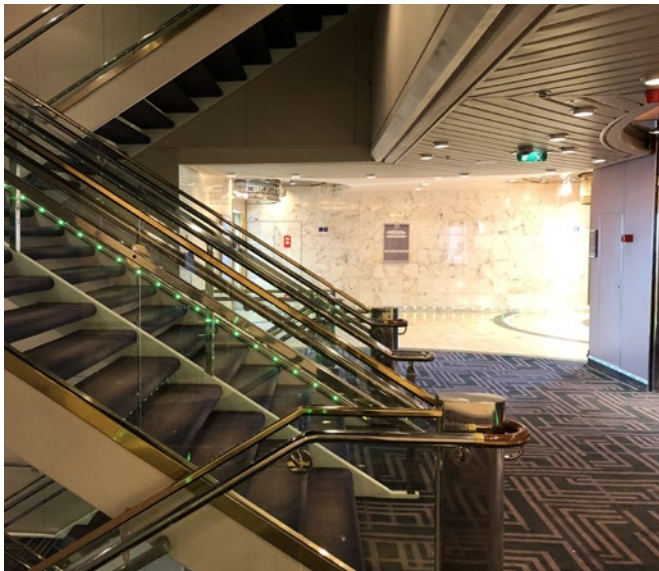
Certification and approvals

Low Location Lighting systems comply with the environmental conditions and test procedures as defined in the requirements of the current editions of:

- IEC Pub. 598-2-22
- Regulation for the Performance of Type Tests for Electric Appliances Components
- Type Approval of Instrumentation and Automation Equipment, DNV.
- Type Approval System, Lloyds Register (LR)

Technical data LED-strip

- Standard LED-distance: 200 mm
- "High brightness" LEDs in colour "true green" (540 mcd. minimum)
- IP Grade: IP 67
- Operating temp.: - 15° C to + 55° C
- Life time: > 150.000 hours
- Due to high flexibility, the LED-strip can follow even 90° corners or tight curves without any electrical interruption



POWER BOX UNIT (PSU)

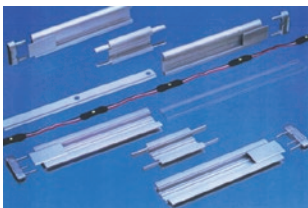
The Power Box Unit (PSU) feeds the system with power (each LED-strip is fed from both side and two different PSUs for safety reasons). System activation can be done from the bridge either by an input signal (from SMS- or emergency shut down-system) on board or manually from the bridge by switching the system simply ON/OFF.

- Nominal Voltage: 115-230 V AC/DC
- Average Power Consumption: 77 VA (under fully load)
- Output Voltage: 22 V DC
- Output Power: 100 W
- Capable to feed up to 1.000 m LED-strip
- IP Grade: IP 55
- Batteries: 3 Sealed Lead Acid (7.26 kg)
- Housing: Metal, in colour RAL 7035 (grey)
- Battery charging also under systemactivation model
- Dimension: a) incl. Batt.: 445x340x127 mm
b) excl. Batt.: 280x340x127 mm
- Weight: a) incl. Batt.: ~ 16.85 kg
b) excl. Batt.: ~ 9.60 kg
- NO extra housing for batteries required (!)
- Cable Glands: 9 x grommets in different sizes
- Terminal configuration plan inside



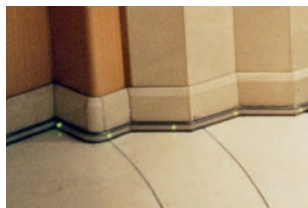
AVAILABLE PROFILE TYPES

We offer a wide range of profiles to integrate the LED-strip in – from profiles for wall mounting, floor mounting (low and high carpet profiles), via metal skirting boards till system integration into existing wooden wall panels or skirting boards on board



Aluminium Profile

- Standard Colour: "Anodised Silver"
- Further colours on request either acc. to RAL or in powder coated quality
- Protection Covers



Polycarbonate Profile

- Available in all RAL colours (standard Colour is "RAL 7026")
- Non toxic, halogen free, fire retardant
- Protection covers/caps in same quality



Skirting Board Profile

- Original RIVINOX-/BEZAULT-/SCHWEPPERSkirting Board Profiles
- Available in colours "gold" and "silver"
- Other Skirting Profiles available on request



Into the walls (w/o profile)

- Clipped-in from behind into the wall panels
- Installed into pre-manufactured wooden skirting board profiles (premanufactured cut-outs) but w/o profile

ELECTRICAL ESCAPE SIGNS



ELECTRICAL ESCAPE SIGNS

We offer a selected range of electrical escape signs for installation in an escape route signage system. Electrical escape signs are used to show personnel and guests where to go in the event of a fire or other emergency. Electrical escape signs are an essential part of an effective escape route signage system to create a coherent whole of Low location lighting, including escape signs, signs applied at eye level, signage indicating how to reach the assembly station(s) and instructions for guests and staff in the cabins and common areas.

Why choose led escape signs

Visibility, brightness and long life are the key factors when purchasing illuminated escape signs. Light emitting diode or LED escape signs have proven to be successful in reducing electricity consumption up to 85%. LED escape signs can save money and power while emitting considerable amounts of light. Because LED lights don't have a wire to burn out, they also have a much longer lifespan, making them more cost-efficient. A led escape sign is very bright and visible and can be seen even through some smoke.



A lot can happen in an emergency situation, including a loss of wired electrical power. Naturally, finding the way to safety (e.g. an embarkation station on a ship) in these situations are critical, which is why some of our led escape signs are offered with battery backups. If electricity cuts out, the sign automatically begins drawing from its installed batteries to provide uninterrupted illumination.



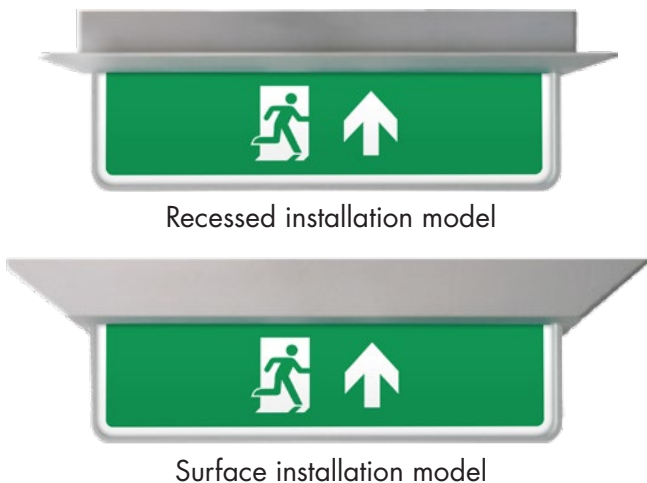
MARITIME SAFESIGN LED ESCAPE SIGN



General description

Our 'Dutch Design' premium quality range of LED Escape signs are designed to clearly identify escape routes, executed in a timeless design that fits in with contemporary naval architecture. Our range of LED Escape signs allow for easy installation and provide a reliable and stylish solution for use onboard cruise ships, ferries, offshore installations and commercial ships.

The LED Escape signs are IP44 protected, CE approved and are available in two formats, recessed and surface mounted, offering 'fit and forget' LED technology providing a long lifespan of at least 40.000 hours.



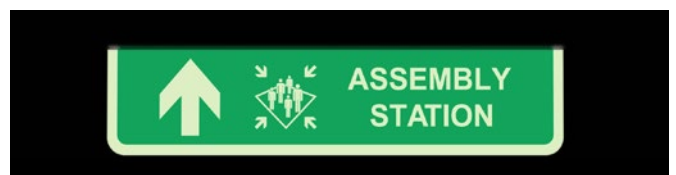
Electrical and photoluminescent in one: the best of both worlds

As a result of an innovation that comes from our many years of experience in supplying various markets with photoluminescent signs and Low Location Lighting, we have combined two techniques in our SafeSign LED Escape signs; the main power source is electricity, but when the power is lost as a result of a calamity, the photoluminescent capabilities of the sign take over, providing the users with a very clear sign to the exit.

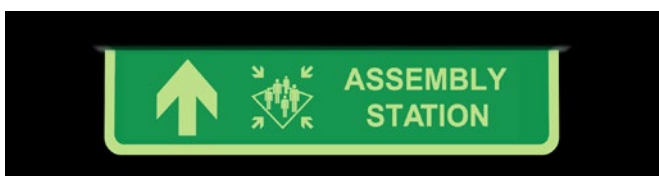
Our lights do not require batteries and consistently operate for a minimum of three hours. There is no need for annual maintenance or battery replacement every five years.



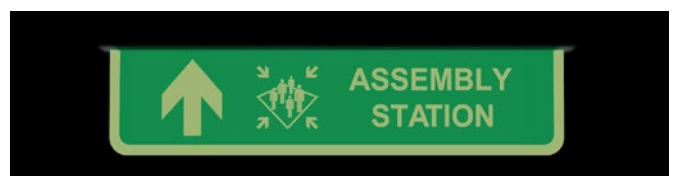
Normally powered



After power loss (10 minutes, 857 mcd/m²)



After power loss (1 hour, 119 mcd/m²)



After power loss (3 hours, 22 mcd/m²)

Examples safety sign layouts

See "Escape Route signs" page 28 to 39 for all layouts.



ES1001



ES1001



ES5131

Technical data

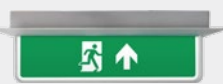



Input voltage:	AC 90~240V 50~60HZ
Power:	4W
Lifespan:	+40.000hrs
Viewing distance:	> 24 m
Class:	CE approved
Protection:	IP44
Material:	Flame retardant ABS plastic
Extra:	Exchangeable signs upon request
Frame colour:	RAL 9022
Optional:	Other frame colours available upon request for larger orders

Approval

- CE approved
- RINA

How to order

When ordering this LED escape sign, please use the following notation for the fixture type in conjunction with your desired safety sign: <article number> + <sign number>. For example: LX070RLD + ES5134.

Article number	Description	Type	Dimensions
LX070RLS	LED Escape sign recessed installation Insert height 70 mm 	LED single sided	370 x 115 x 114 mm
LX070RLD		LED double sided	370 x 115 x 114 mm
LX070RPS		LED photoluminescent single sided	370 x 115 x 114 mm
LX070RPD		LED photoluminescent double sided	370 x 115 x 114 mm
LX070SLS	LED Escape sign surface installation Insert height 70 mm 	LED single sided	430 x 125 x 114 mm
LX070SLD		LED double sided	430 x 125 x 114 mm
LX070SPS		LED photoluminescent single sided	430 x 125 x 114 mm
LX070SPD		LED photoluminescent double sided	430 x 125 x 114 mm
LX0150RLS	LED Escape sign recessed installation Insert height 150 mm 	LED single sided	370 x 115 x 190 mm
LX0150RLD		LED double sided	370 x 115 x 190 mm
LX0150RPS		LED photoluminescent single sided	370 x 115 x 190 mm
LX0150RPD		LED photoluminescent double sided	370 x 115 x 190 mm
LX0150SLS	LED Escape sign surface installation Insert height 150 mm 	LED single sided	430 x 125 x 114 mm
LX0150SLD		LED double sided	430 x 125 x 114 mm
LX0150SPS		LED photoluminescent single sided	430 x 125 x 114 mm
LX0150SPD		LED photoluminescent double sided	430 x 125 x 114 mm

SAFETY SIGNS AND POSTERS



SAFESIGN

Sustainability through innovation

SafeSign is the certified brand for photoluminescent signs in different qualities and materials, such as Pet-X and aluminum.

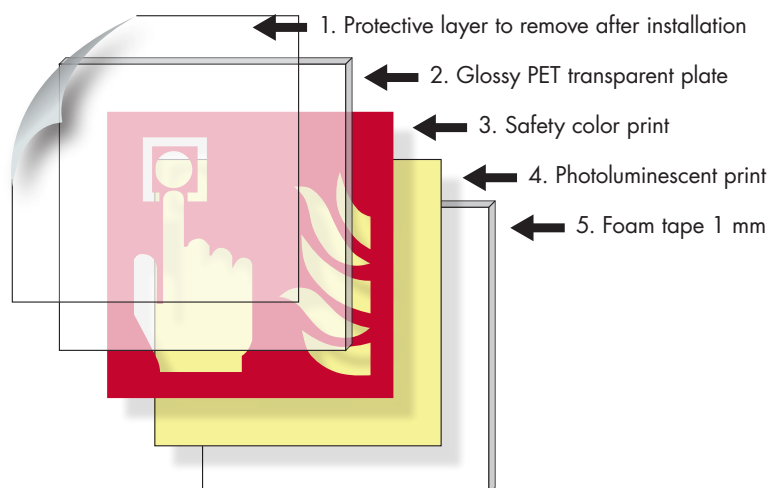
SafeSign photoluminescent signs stores energy from light sources and release the light energy in the dark thanks to the use of 100% environmental friendly pigments, free of toxic or radioactive additives and exceeding all required afterglow properties.

SafeSign PET-X innovated sign production by replacing the widely used PVC with a modified PET that is fully recyclable. PVC is increasingly banned due to its toxicity and flame resistance, our modified PET can be used safely anywhere. In addition, SafeSign's products are UV resistant, unlike PVC which quickly turns yellow. That's why SafeSign offers a 5-year warranty.

SafeSign PET-X prints on the back of the sign, another innovation, this way the print is protected from environmental influences and the result is signage with a glossy front. SafeSign signs are always easy to mount thanks to the self-adhesive backing. All signs are supplied with a protective front foil, which must be removed after mounting.

The most economical signs

The cost of the signs themselves is only a small part of the total cost of your signage. Identification, ordering, transportation, installation and billing usually make up more than 90% of the total expenditure. With an expected lifespan of 10 to 15 years, you will reduce your expenses and apply an environmentally friendly and safe purchasing policy.



SafeSign PET-X has all signs, poster and strips provide always with a self-adhesive backing. The self-adhesive backing, from a polyethylene closed-cell foam, is specially selected to withstand harsh environment conditions. All PET-X signs, posters and strips are delivered with a protecting front film, which must be removed after mounting the product.

STANDARD SIGNS PRODUCT RANGE

Standard signs SafeSign	Symbol height	Class	Photoluminescence	
		ISO17398	10 min	60 min
PET-X, SafeSign XL, self adhesive	Standard dimensions as in catalog	B+	75 mcd/m ²	10 mcd/m ²
PET-X, SafeSign XL mini LLL symbol, self adhesive	50 mm	B+	75 mcd/m ²	10 mcd/m ²
Transparent mini LLL symbol, self adhesive	50 mm	NA	NA	NA
PET-X, SafeSign non photoluminescent	As in catalog	NA	NA	NA

Note; The standard symbol heights in the catalog are 150 mm, except where the sign-height is mentioned 100 mm. All non-standard symbol heights can be produced on request. Other qualities photoluminescent available up to 10 min - 700 mcd/m²/ 60 min - 90 mcd/m².

Available on request	Symbol height	Class	Photoluminescence	
		ISO17398	10 min	60 min
Pet-X, SafeSign XL round edges, self adhesive	Standard dimensions as in catalog	B+	75 mcd/m ²	10 mcd/m ²
Pet-X, SafeSign XL, self adhesive	50, 70, 100, 150, 200, 300, 400 mm	B+	75 mcd/m ²	10 mcd/m ²
Aluminium SafeSign XXL	Standard dimensions as in catalog	C+	160 mcd/m ²	22 mcd/m ²
Aluminium SafeSign XXX, colourglow (safety colours in the dark)	Standard dimensions as in catalog	E	300 mcd/m ²	40 mcd/m ²
PVC, SafeSign XL, self adhesive	Standard dimensions as in catalog		50 mcd/m ²	7 mcd/m ²
Retro-Reflective 3M, 5 year outdoor warranty, adhesive	50, 70, 100, 150, 200, 300, 400 mm	NA	NA	NA
Retro-Reflective 3M, 5 year outdoor warranty, PET-X 4 mm	50, 70, 100, 150, 200, 300, 400 mm	NA	NA	NA
Retro-Reflective 3M, 5 year outdoor warranty, Stainless steel, pickled and passivated 2 mm	50, 70, 100, 150, 200, 300, 400 mm	NA	NA	NA
Standard outdoor adhesive, 5 year outdoor warranty	50, 70, 100, 150, 200, 300, 400 mm	NA	NA	NA

Recommended Sign Size

Size in mm.	50 x 50	100 x 100	150 x 150	200 x 200	300 x 300	400 x 400
Distance	3 m.	8 m.	15 m.	20 m.	30 m.	40 m.

Note; these recommended sign sizes are based on normal lightning conditions of 100 lux.

HOW TO ORDER SIGNS

Escape door opens left



ES1002

300x150 mm
100x50 mm

Step 1

Sign symbol; mention the symbol code as stated in the catalog

Emergency exit (left hand)



ES0001

150x150 mm
50x50 mm
ISSA 4754422
IMPA 334422

Step 2

Sign size; the standard size in which we supply the sign is the mentioned sizes in the catalog

150x150mm > signs at eye level

50x50mm > signs for use in LLL (see page 13-15)

For other sizes, please provide the sign height



Step 3

Material; standard we supply PET-X photoluminescent XL quality.

For other materials such as translucent for use at LLL (see page 13),

PVC, Aluminum (light or heavy), reflective, stainless steel, please contact us.

Also for panoramic signs, please contact us.

Do not use lift in case of fire



PS2001
150x200 mm

Do not use lift
in case of fire

Aufzug im Brandfall
nicht benutzen

Step 4

Custom signs; standard we supply the texts in English as mentioned in the catalog, other texts are available upon request. For other symbols, please provide an example or ask us for any special requirements.

PANORAMIC SIGNS



1 symbol



2 symbols




3 symbols



The PET-X panoramic signs are supplied with the self-adhesive backing, the PVC and aluminium signs without self adhesive backing.

ESCAPE ROUTE SIGNS

Emergency exit (left hand)  ES0001 150x150 mm 50x50 mm ISSA 4754422 IMPA 334422	Emergency exit (right hand)  ES0002 150x150 mm 50x50 mm ISSA 4754423 IMPA 334423	Evacuation assembly point  ES0003 150x150 mm	Shipboard assembly station  ES0004 150x150 mm 50x50 mm ISSA 4754069 IMPA 334069
Escape ladder  ES0005 150x150 mm 50x50 mm	Escape direction, arrow (90°)  ES0006 150x150 mm 50x50 mm ISSA 4754420 IMPA 334420	Escape direction, arrow (45°)  ES0007 150x150 mm 50x50 mm ISSA 4754421 IMPA 334421	Embarkation ladder  ES0008 150x150 mm ISSA 4754054 IMPA 334054
Marine evacuation slide  ES0009 150x150 mm 50x50 mm ISSA 4754055 IMPA 334055	Marine evacuation chute  ES0010 150x150 mm 50x50 mm ISSA 4754070 IMPA 334070	Lifeboat  ES0012 150x150 mm 50x50 mm ISSA 4754050 IMPA 334050	Rescue boat  ES0013 150x150 mm ISSA 4754051 IMPA 334051
Liferaft  ES0014 150x150 mm 50x50 mm ISSA 4754052 IMPA 334052	Davit-launched liferaft  ES0015 150x150 mm ISSA 4754053 IMPA 334053	Door slides right to open  ES0017 150x150 mm 50x50 mm ISSA 4754483 IMPA 334483	Door slides left to open  ES0018 150x150 mm 50x50 mm ISSA 4754145 IMPA 334145
Turn anticlockwise to open  ES0019 150x150 mm ISSA 4754152 IMPA 334152	Turn clockwise to open  ES0020 150x150 mm ISSA 4754153 IMPA 334153	Door opens by pulling left side  ES0021 150x150 mm ISSA 4754146 IMPA 334146	Door opens by pulling right side  ES0022 150x150 mm ISSA 4754145 IMPA 334145
Door opens by pushing left  ES0023 150x150 mm ISSA 4754152 IMPA 334152	Door opens by pushing right  ES0024 150x150 mm ISSA 4754153 IMPA 334153	Scramble net  ES0026 150x150 mm ISSA 4754989 IMPA 334989	Descending device  ES0027 150x150 mm
Free fall lifeboat  ES0028 150x150 mm	Pump to open  ES0029 150x150 mm	Helicopter landing area  ES0030 150x150 mm ISSA 4752440 IMPA 332440	Helicopter pickup area  ES0031 150x150 mm

MATERIAL SPECIFICATIONS & AVAILABLE SIZES

Standard size signs made of Pet-X material are all on stock and directly available. Each of the signs in this catalog are available in multiple different types of materials:

• Pet-X (PVC-free, the environment-friendly choice) • Retro-Reflective • Aluminum light • PVC • Transparent Vinyl • White, self-adhesive vinyl (non-reflective)

Non-standard sizes and materials other than the standard Pet-X material are available upon request. See page 26 for more information.

ESCAPE ROUTE SIGNS

Emergency window with escape ladder



ES0034
150x150 mm

Rescue window



ES0035
150x150 mm

Evacuation chair



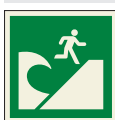
ES0036
150x150 mm

Tsunami evacuation building



ES0038
150x150 mm

Tsunami evacuation area



ES0039
150x150 mm

Protection shelter



ES0040
150x150 mm

Emergency exit impairm. left



ES0041
150x150 mm

Emergency exit impairm. right



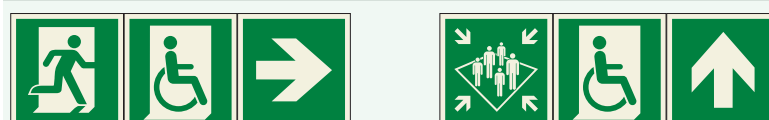
ES0042
150x150 mm

Evacuation temporary refuge



ES0043
150x150 mm

PRACTICAL EXAMPLES ESCAPE ROUTE FOR PEOPLE WITH WALKING IMPAIRMENT



Escape route forward/Esc. door



ES1001
300x150 mm
100x50 mm

Escape door opens left



ES1002
300x150 mm
100x50 mm

Escape route downwards



ES1003
300x150 mm

Escape route to the left



ES1004
300x150 mm
100x50 mm

Escape route to the right



ES1005
300x150 mm
100x50 mm

Escape route downstairs left



ES1006
300x150 mm
100x50 mm

Escape downstairs right



ES1007
300x150 mm
100x50 mm

Escape upstairs left



ES1008
300x150 mm
100x50 mm

Escape upstairs right



ES1009
300x150 mm
100x50 mm

ASSEMBLY STATION LAND / ONSHORE

Assembly point forward/up



ES1015
300x150 mm

Assembly point downwards



ES1016
300x150 mm

Assembly point to the left



ES1017
300x150 mm

Assembly point to the right



ES1018
300x150 mm

Assembly point downstairs left



ES1019
300x150 mm

Assembly point downstairs right



ES1020
300x150 mm

Assembly point upstairs left



ES1021
300x150 mm

















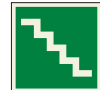
Assembly point upstairs right



ES1022
300x150 mm

ESCAPE ROUTE SIGNS

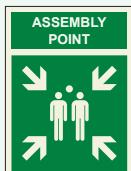
ASSEMBLY STATION MARITIME / OFFSHORE

Assembly station forward/up  ES1030 300x150 mm 100x50 mm	Assembly station downwards  ES1031 300x150 mm	Assembly station left  ES1032 300x150 mm 100x50 mm	Assembly station right  ES1033 300x150 mm 100x50 mm
Assembly station downstairs left  ES1034 300x150 mm 100x50 mm	Assembly station downstairs right  ES1035 300x150 mm 100x50 mm	Assembly station upstairs left  ES1036 300x150 mm 100x50 mm	Assembly station upstairs right  ES1037 300x150 mm 100x50 mm
Assembly station forward/up  ES1038 300x150 mm 100x50 mm			
Escape ladder forward/upwards  ES1045 300x150 mm 100x50 mm	Escape ladder downwards  ES1046 300x150 mm	Escape ladder to the left  ES1047 300x150 mm	Escape ladder to the right  ES1048 300x150 mm
Lifeboat forward/up  ES1050 300x150 mm 100x50 mm	Lifeboat downwards  ES1051 300x150 mm	Lifeboat to the left  ES1052 300x150 mm 100x50 mm	Lifeboat to the right  ES1053 300x150 mm 100x50 mm
Lifeboat downstairs left  ES1054 300x150 mm	Lifeboat downstairs right  ES1055 300x150 mm	Lifeboat upstairs left  ES1056 300x150 mm	Lifeboat upstairs right  ES1057 300x150 mm
Escape route forward left vertical  ES1101 150x300 mm 50x100 mm	Escape route forward right vertical  ES1102 150x300 mm 50x100 mm	Escape route to the left vertical  ES1103 150x300 mm 50x100 mm	Escape route to the right vertical  ES1104 150x300 mm 50x100 mm
Assembly station forward vertical  ES1105 150x300 mm 50x100 mm	Assembly station to the left vertical  ES1106 150x300 mm 50x100 mm	Assembly station to the right vertical  ES1107 150x300 mm 50x100 mm	LLL Stairs end left  ES1120 50x50 mm
			LLL Stairs end right  ES1121 50x50 mm

ESCAPE ROUTE SIGNS

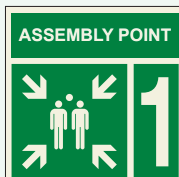
LAND / ONSHORE

Assembly point sign



ES2000
250x333 mm
300x400 mm

Assembly point sign number



1 ES2001
2 ES2002
3 ES2003
4 ES2004
400x400 mm
800x800 mm
1000x1000 mm

Assembly point sign letter



A ES2011
B ES2012
C ES2013
D ES2014
400x400 mm
800x800 mm
1000x1000 mm



MARITIME / OFFSHORE

MARITIME ASSEMBLY STATIONS ARE IN PRINCIPLE ALWAYS IDENTIFIED BY LETTER

Assembly station location sign



ES2100
250x333 mm
360x480 mm

Assembly station location sign



A ES2101
B ES2102
C ES2103
D ES2104
E ES2105
F ES2106
300x300 mm
480x480 mm



WHEN THE ASSEMBLY STATION IS LOCATED NEAR A LIFEBOAT, A NUMBER CAN BE USED

Assembly station location sign



1 ES2111
2 ES2112
300x300 mm
480x480 mm

LIFEBOAT OR EMBARKATION STATIONS ALWAYS IDENTIFIED BY NUMBER

Lifeboat location sign



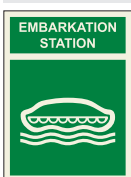
ES2120
250x333 mm
360x480 mm

Lifeboat location 1 sign



1 ES2121
2 ES2122
3 ES2123
4 ES2124
5 ES2125
6 ES2126
300x300 mm
480x480 mm

Embarkation station lifeboat



ES2130
250x333 mm
360x480 mm

Embarkation station lifeboat



1 ES2131
2 ES2132
3 ES2133
4 ES2134
300x300 mm
480x480 mm

Embarkation station chute



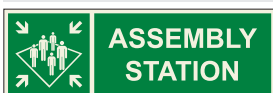
ES2140
250x333 mm
360x480 mm

Embarkation station chute



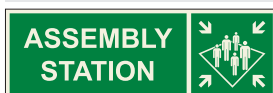
1 ES2141
2 ES2142
3 ES2143
4 ES2144
300x300 mm
480x480 mm

Assembly station left



ES2200 300x100 mm

Assembly station right



ES2201 300x100 mm

Lifeboat left



ES2220 300x100 mm

Lifeboat right



ES2221 300x100 mm

MATERIAL SPECIFICATIONS & AVAILABLE SIZES

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ESCAPE ROUTE SIGNS

Number 0 ES3000 75x150 mm ISSA 4754200 IMPA 334200	Number 1 ES3001 75x150 mm ISSA 4754201 IMPA 334201	Number 2 ES3002 75x150 mm ISSA 4754202 IMPA 334202	Number 3 ES3003 75x150 mm ISSA 4754203 IMPA 334203
Number 4 ES3004 75x150 mm ISSA 4754204 IMPA 334204	Number 5 ES3005 75x150 mm ISSA 4754205 IMPA 334205	Number 6 ES3006 75x150 mm ISSA 4754206 IMPA 334206	Number 7 ES3007 75x150 mm ISSA 4754207 IMPA 334207
Number 8 ES3008 75x150 mm ISSA 4754208 IMPA 334208	Number 9 ES3009 75x150 mm ISSA 4754209 IMPA 334209	Number 10 ES3010 100x150 mm	Number 11 ES3011 12 ES3012 13 ES3013 14 ES3014 15 ES3015 100x150 mm
Letter A ES3020 75x150 mm ISSA 4754210 IMPA 334210	Letter B ES3021 75x150 mm ISSA 4754211 IMPA 334211		
Letter C ES3022 75x150 mm ISSA 4754211 IMPA 334211	Letter D ES3023 75x150 mm ISSA 4754213 IMPA 334213		
Letter E ES3024 75x150 mm ISSA 4754214 IMPA 334214	Letter F ES3025 75x150 mm ISSA 4754215 IMPA 334215		
Letter G ES3026 75x150 mm ISSA 4754216 IMPA 334216	Letter H ES3027 75x150 mm ISSA 4754217 IMPA 334217		
Letter J ES3028 75x150 mm	Letter K ES3029 75x150 mm		

ESCAPE ROUTE SIGNS

Deck 0  ES3030 150x150 mm	Deck 1  ES3031 150x150 mm	Deck 2  ES3032 150x150 mm	Deck 3  ES3033 150x150 mm
Deck 4  ES3034 150x150 mm	Deck 5  ES3035 150x150 mm	Deck 6  ES3036 150x150 mm	Deck 7  ES3037 150x150 mm
Deck 8  ES3038 150x150 mm	Deck 9  ES3039 150x150 mm	Deck 10  ES3040 150x150 mm	Deck  11 ES3041 12 ES3042 13 ES3043 14 ES3044 15 ES3045 16 ES3046 150x150 mm
Number -2  ES3048 150x150 mm	Number -1  ES3049 150x150 mm	Number 0  ES3050 150x150 mm	Number 1  ES3051 150x150 mm
Number 2  ES3052 150x150 mm	Number 3  ES3053 150x150 mm	Number 4  ES3054 150x150 mm	Number 5  ES3055 150x150 mm
Number 6  ES3056 150x150 mm	Number 7  ES3057 150x150 mm	Number 8  ES3058 150x150 mm	Number  9 ES3059 10 ES3060 11 ES3061 12 ES3062 13 ES3063 14 ES3064 15 ES3065 16 ES3066 150x150 mm


















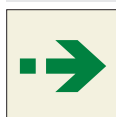






MATERIAL SPECIFICATIONS & AVAILABLE SIZES

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ESCAPE ROUTE SIGNS

<p>Letter A</p>  <p>ES3070 150x150 mm</p>	<p>Letter B</p>  <p>ES3071 150x150 mm</p>	<p>Letter C</p>  <p>ES3072 150x150 mm</p>	<p>Letter D</p>  <p>ES3073 150x150 mm</p>
<p>Letter E</p>  <p>ES3074 150x150 mm</p>	<p>Letter F</p>  <p>ES3075 150x150 mm</p>	<p>Letter G</p>  <p>ES3076 150x150 mm</p>	<p>Letter H</p>  <p>H ES3077 I ES3078 J ES3079 K ES3080 L ES3081 M ES3082 150x150 mm</p>
<p>Doorhandle arrow right</p>  <p>ES5020 80x120 mm</p>	<p>Doorhandle arrow left</p>  <p>ES5021 80x120 mm</p>	<p>WT doorhandle open right</p>  <p>ES5022 100x200 mm</p>	<p>WT doorhandle open left</p>  <p>ES5023 100x200 mm</p>
<p>Escape hatch open right</p>  <p>ES5024 200x75 mm</p>	<p>Escape hatch open left</p>  <p>ES5025 200x75 mm</p>		
<p>Push door to open</p>  <p>ES5027 100x100 mm</p>	<p>Pull door to open</p>  <p>ES5028 100x100 mm</p>	<p>Primary escape route ISO 17631</p>  <p>ES5051 150x150 mm ISSA 4756070 IMPA 336070</p>	<p>Secondary escape route ISO 17631</p>  <p>ES5052 150x150 mm ISSA 4756071 IMPA 336071</p>
<p>Doorhandle sign right</p>  <p>ES5055 75x200 mm</p>	<p>Doorhandle sign left</p>  <p>ES5056 75x200 mm</p>	<p>Doorhandle ass. st. sign right</p>  <p>ES5057 75x200 mm</p>	<p>Doorhandle ass. st. sign left</p>  <p>ES5058 75x200 mm</p>
<p>Escape door marking plate</p>  <p>ES5075 600x250 mm 750x300 mm 850x340 mm</p>	<p>Watertight door</p>  <p>ES5080 150x150 mm</p>		

ESCAPE ROUTE SIGNS

Lifeboat forward left



ES5101 ISSA 4754300
300x100 mm IMPA 334300

Lifeboat forward right



ES5102 ISSA 4754301
300x100 mm IMPA 334301

Lifeboat upstairs left



ES5103 ISSA 4754302
300x100 mm IMPA 334302

Lifeboat upstairs right



ES5104 ISSA 4754303
300x100 mm IMPA 334303

Lifeboat to the left



ES5105 ISSA 4754304
300x100 mm IMPA 334304

Lifeboat to the right



ES5106 ISSA 4754305
300x100 mm IMPA 334305

Lifeboat downstairs left



ES5107 ISSA 4754306
300x100 mm IMPA 334306

Lifeboat downstairs right



ES5108 ISSA 4754307
300x100 mm IMPA 334307

Lifeboat downwards left



ES5109 ISSA 4754308
300x100 mm IMPA 334308

Lifeboat downwards right



ES5110 ISSA 4754309
300x100 mm IMPA 334309

Assembly station forward left



ES5111 ISSA 4754320
300x100 mm IMPA 334320

Assembly station forward right



ES5112 ISSA 4754321
300x100 mm IMPA 334321

Assembly station upstairs left



ES5113 ISSA 4754322
300x100 mm IMPA 334322

Assembly station upstairs right



ES5114 ISSA 4754323
300x100 mm IMPA 334323

Assembly station to the left



ES5115 ISSA 4754324
300x100 mm IMPA 334324

Assembly station to the right



ES5116 ISSA 4754325
300x100 mm IMPA 334325

Assembly station downstairs left



ES5117 ISSA 4754326
300x100 mm IMPA 334326

Assembly station downstairs right



ES5118 ISSA 4754327
300x100 mm IMPA 334327

Assembly station downwards left



ES5119 ISSA 4754328
300x100 mm IMPA 334328

Assembly station downwards right



ES5120 ISSA 4754329
300x100 mm IMPA 334329

Refuge point disabled left



ES5125
300x100 mm

Refuge point disabled right



ES5126
300x100 mm

Refuge point keep clear



ES5127 ISSA 4754821
300x100 mm IMPA 334821



ESCAPE ROUTE SIGNS

Exit left hand



ES5128 ISSA 4754410
300x150 mm IMPA 334410

Exit right hand



ES5129 ISSA 4754411
300x150 mm IMPA 334411

Exit forward left



ES5130 ISSA 4754400
450x150 mm IMPA 334400

Exit forward right



ES5131 ISSA 4754401
450x150 mm IMPA 334401

Exit upstairs left



ES5132 ISSA 4754402
450x150 mm IMPA 334402

Exit upstairs right



ES5133 ISSA 4754403
450x150 mm IMPA 334403

Exit to the left



ES5134 ISSA 4754404
450x150 mm IMPA 334404

Exit to the right



ES5135 ISSA 4754405
450x150 mm IMPA 334405

Exit downstairs left



ES5136 ISSA 4754406
450x150 mm IMPA 334406

Exit downstairs right



ES5137 ISSA 4754407
450x150 mm IMPA 334407

Exit down



ES5138 ISSA 4754408
450x150 mm IMPA 334408

Exit down



ES5139 ISSA 4754409
450x150 mm IMPA 334409

Exit lefthand



ES5140 ISSA 4754410
450x150 mm IMPA 334410

Exit righthand



ES5141 ISSA 4754411
450x150 mm IMPA 334411

Emergency exit only right



ES5142 ISSA 4754413
450x150 mm IMPA 334413

Emergency exit only left



ES5143 ISSA 4754412
450x150 mm IMPA 334412

Emergency exit forward left



ES5150
450x150 mm

Emergency exit forward right



ES5151
450x150 mm

Emergency exit upstairs left



ES5152
450x150 mm

Emergency exit upstairs right



ES5153
450x150 mm

Emergency exit to the left



ES5154
450x150 mm

Emergency exit to the right



ES5155
450x150 mm

Emergency exit downstairs left



ES5156
450x150 mm

Emergency exit downstairs right



ES5157
450x150 mm

Emergency exit downwards left



ES5158
450x150 mm

Emergency exit downwards right


























ES5159
450x150 mm





ESCAPE ROUTE SIGNS

Slide right to open  ES5201 ISSA 4754483 450x150 mm IMPA 334483	Slide left to open  ES5202 ISSA 4754482 450x150 mm IMPA 334482	Escape ladder  ES5211 ISSA 4754188 450x150 mm IMPA 334188	Helideck  ES5212 ISSA 4754189 450x150 mm IMPA 334189
Suppl. text escape route  ES5301 ISSA 4754340 450x150 mm IMPA 334340	Suppl. text escape door  ES5302 ISSA 4754343 450x150 mm IMPA 334343	Suppl. text escape window  ES5303 ISSA 4754344 450x150 mm IMPA 334344	Suppl. text escape hatch  ES5304 ISSA 4754342 450x150 mm IMPA 334342
Suppl. text deck  ES5305 ISSA 4754470 400x150 mm IMPA 3345470	Suppl. text stairway  ES5306 ISSA 4754417 400x150 mm IMPA 334471	Suppl. text wheelhouse  ES5307 300x100 mm	Suppl. text Primary escape to assembly station  ES5308 450x150 mm
Suppl. text Secondary escape to assembly station  ES5309 450x150 mm	Suppl. text EXIT  ES5310 150x150 mm ISSA 4754425 IMPA 334425	Suppl. text EXIT  ES5311 300x150 mm	Suppl. text EXIT emergency use only  ES5312 150x150 mm ISSA 4754424 IMPA 334424
Suppl. text EXIT emergency use only  ES5313 300x150 mm ISSA 4754424 IMPA 334424	Suppl. text EMERGENCY EXIT  ES5314 150x150 mm ISSA 4754424 IMPA 334424	Suppl. text EMERGENCY EXIT  ES5315 300x150 mm	Suppl. text Emergency exit  ES5316 150x50 mm
Suppl. text Assembly station  ES5317 300x150 mm	Suppl. text EXIT secondary escape  ES5318 300x150 mm		

ALL SYMBOLS ARE AVAILABLE WITH ADDITIONAL TEXT

Symbol	TEXT
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- PVC
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RESCUE SIGNS

First aid



RS0001
150x150 mm
ISSA 4754150
IMPA 334150

Stretcher



RS0002
150x150 mm
ISSA 4754071
IMPA 334071

Safety shower



RS0003
150x150 mm
ISSA 4754145
IMPA 334145

Eyewash station



RS0004
150x150 mm
ISSA 4754152
IMPA 334152

Emergency telephone



RS0005
150x150 mm
ISSA 4754153
IMPA 334153

Doctor



RS0006
150x150 mm
ISSA 4754152
IMPA 334152

Medical grab bag



RS0007
150x150 mm
ISSA 4754135
IMPA 334135

AED (heart defibrillator)



RS0008
150x150 mm
ISSA 4754137
IMPA 334137

EEBD (em. breathing device)



RS0009
150x150 mm
ISSA 4754078
IMPA 334078

Oxygen resuscitator



RS0010
150x150 mm
ISSA 4754048
IMPA 334048

Emergency stop button



RS0011
150x150 mm
ISSA 4754154
IMPA 335154

Drinking water



RS0012
150x150 mm

Break to obtain access



RS0013
150x150 mm
ISSA 4754145
IMPA 334145

Liferaft knife



RS0014
150x150 mm
ISSA 4754152
IMPA 334152

Emergency hammer



RS0015
150x150 mm

Child seat detection (CPOD)



RS0016
150x150 mm

Lifebuoy



RS0020
150x150 mm
ISSA 4754056
IMPA 334056

Lifebuoy with line



RS0021
150x150 mm
ISSA 4754057
IMPA 334057

Lifebuoy with light



RS0022
150x150 mm
ISSA 4754058
IMPA 334058

Lifebuoy with line and light



RS0023
150x150 mm
ISSA 4754134
IMPA 334134

Lifebuoy with line and smoke



RS0024
150x150 mm

Lifebuoy with light and smoke



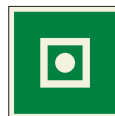
RS0025
150x150 mm
ISSA 4754059
IMPA 334059

Lifebuoy with light, line and smoke



RS0026
150x150 mm
ISSA 4754109
IMPA 334109

Shipboard general alarm



RS0027
150x150 mm
ISSA 4754155
IMPA 334155



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RESCUE SIGNS

Lifejacket



RS0028
150x150 mm
ISSA 4754060
IMPA 334060

Child's lifejacket



RS0029
150x150 mm
ISSA 4754061
IMPA 334061

Infant's lifejacket



RS0030
150x150 mm
ISSA 4754080
IMPA 334080

Lifejacket storage quantities



RS2004
450x400 mm
Specify
desired
numbers

Search and rescue transponder



RS0031
150x150 mm
ISSA 4754065
IMPA 334065

Survival craft distress signal



RS0032
150x150 mm
ISSA 4754066
IMPA 334066

Rocket parachute flare



RS0033
150x150 mm
ISSA 4754067
IMPA 334067

Line throwing appliance



RS0034
150x150 mm
ISSA 47554068
IMPA 334068

VHF portable radio



RS0035
150x150 mm
ISSA 4754063
IMPA 334063

EPIRB (em. position indic. radio beacon)



RS0036
150x150 mm
ISSA 4754064
IMPA 334064

Survival clothing



RS0037
150x150 mm
ISSA 4754062
IMPA 334062

Person overboard call point



RS0038
150x150 mm

Evacuation mattress



RS0039
150x150 mm

First aid responder



RS0040
150x150 mm

Directional indicator rescue equipment



RS0100
50x150 mm

USE OF DIRECTIONAL INDICATOR



RESCUE SIGNS

Anti exposure suit



RS1001
150x150 mm
ISSA 4754076
IMPA 334076

Thermal protective aid



RS1002
150x150 mm
ISSA 4754075
IMPA 334075

First aid kit



RS1003
150x150 mm
ISSA 4752413
IMPA 332413

Shipboard smoke hood



RS1004
150x150 mm
ISSA 4754183
IMPA 334183

Emergency torch



RS1005
150x150 mm

Safety equipment storage



RS1006
150x150 mm
ISSA 4754184
IMPA 334184

Safety locker (shipboard)



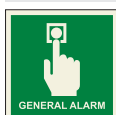
RS1007
150x150 mm

First aid call point



RS1008
150x150 mm
ISSA 4754393
IMPA 334393

General shipboard alarm



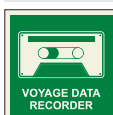
RS1009
150x150 mm
ISSA 4754155
IMPA 334155

Aldis lamp



RS1010
150x150 mm

Voyage data recorder



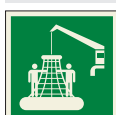
RS1011
150x150 mm
ISSA 4754157
IMPA 334157

Rescue ring



RS1012
150x150 mm

Rescue basket



RS1013
150x150 mm

Jason cradle



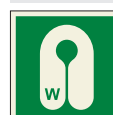
RS1014
150x150 mm

Smoke signal



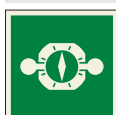
RS1015
150x150 mm

Working lifejacket



RS1016
150x150 mm

Handheld compass



RS1017
150x150 mm

Breathing apparatus



RS1018
150x150 mm

Survival hook



RS1019
150x150 mm

Hand flare



RS1020
150x150 mm

Portable gas detector



RS1050
150x150 mm

Safety locker



RS1051
150x150 mm

Helicopter crash kit



RS1052
150x150 mm

Spill kit



RS1053
150x150 mm

Emergency telephone



RS1054
150x150 mm

Safety harness






















RS1055
150x150 mm

Embarkation rope



RS1021
150x150 mm

RESCUE SIGNS

Lifejacket quantity  RS2001 150x200 mm Specify desired numbers	Child's lifejacket quantity  RS2002 150x200 mm Specify desired numbers	Infant's lifejacket quantity  RS2003 150x200 mm Specify desired numbers	Lifejacket storage quantities  RS2004 450x400 mm Specify desired numbers
Immersion suit quantity  RS2005 150x200 mm Specify desired numbers	EEBD quantity  RS2006 150x200 mm Specify desired numbers	AED hearth defibrillator  RS2010 150x200 mm	Protective mask  RS2011 150x200 mm
Close proximity suit  RS2012 150x200 mm	Break glass to open escape door  RS2013 150x200 mm	Emergency stop  RS2014 150x200 mm	Emergency unlocking escape door  RS2015 150x200 mm
Abandon platform  RS2016 150x200 mm	Emergency stop extinguishing system  RS2017 150x200 mm	Immersion suit storage  RS3001 150x150 mm ISSA 4754062 IMPA 334062 Specify desired numbers	Lifejacket storage  RS3002 150x150 mm ISSA 4754060 IMPA 334060 Specify desired numbers
Child's lifejacket storage  RS3003 150x150 mm ISSA 4754061 IMPA 334061 Specify desired numbers			
Infant's lifejacket storage  RS3004 150x150 mm ISSA 4754142 IMPA 334142 Specify desired numbers			

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RESCUE SIGNS

First aid



RS5001 ISSA 4754171
300x100 mm IMPA 334171

Emergency eye wash



RS5002 ISSA 4754177
300x100 mm IMPA 334177

Stretcher



RS5003 ISSA 4754172
300x100 mm IMPA 334172

Emergency shower



RS5004 ISSA 4754176
300x100 mm IMPA 334176

Emergency telephone



RS5005 ISSA 4754178
300x100 mm IMPA 334178

Emergency stop



RS5006 ISSA 4754179
300x100 mm IMPA 334179

Protective equipment



RS5007 ISSA 4754174
300x100 mm IMPA 334174

Safe for entry



RS5008 ISSA 4754175
300x100 mm IMPA 334175

Safety equipment



RS5009 ISSA 4754184
300x100 mm IMPA 334184

Smoking area



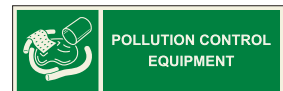
RS5010 ISSA 4754185
300x100 mm IMPA 334185

Eating and drinking area



RS5011 ISSA 4754186
300x100 mm IMPA 334186

Pollution control equipment



RS5012
300x100 mm

Drinking water



RS5013 ISSA 4754180
300x100 mm IMPA 334180

Breathing apparatus



RS5014 ISSA 4754182
300x100 mm IMPA 334182

Emergency equipment



RS5015 ISSA 4754173
300x100 mm IMPA 334173

Medical grab bag



RS5016
300x100 mm

Defibrillator



RS5017 ISSA 4754137
300x100 mm IMPA 334137

Lifejacket



RS5018
300x100 mm

Lifejackets inside lifeboat



RS5019
300x100 mm

Lifejackets under seat



RS5020
300x100 mm

EEBD



RS5021
300x100 mm

Escape set



RS5022
300x100 mm

Smoke hood



RS5023
300x100 mm

Immersion suit



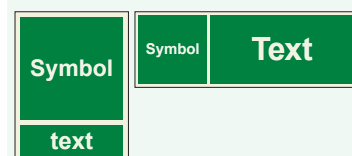
RS5024
300x100 mm

Break glass in emergency



RS5025 ISSA 4754187
300x100 mm IMPA 334187

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FIRE FIGHTING SIGNS

Fire extinguisher



FS0001
 150x150 mm
 50x50 mm
 ISSA 4756100
 IMPA 336100

Fire alarm call point



FS0002
 150x150 mm
 50x50 mm
 ISSA 4756101
 IMPA 336101

Fire hose reel



FS0003
 150x150 mm
 50x50 mm
 ISSA 4756102
 IMPA 336102

Unconnected empty fire hose



FS0004
 150x150 mm
 50x50 mm
 ISSA 4756088
 IMPA 336088

Fire emergency telephone



FS0005
 150x150 mm
 ISSA 4756104
 IMPA 336104

Collection of firefighting equipment



FS0006
 150x150 mm
 ISSA 4756103
 IMPA 336103

Fire blanket



FS0007
 150x150 mm

Fire protection door



FS0008
 150x150 mm

Fixed fire extinguishing battery



FS0009
 150x150 mm
 ISSA 4756048
 IMPA 336048

Wheeled fire extinguishing



FS0010
 150x150 mm

Portable foam applicator unit



FS0011
 150x150 mm
 ISSA 4756036
 IMPA 336036

Water fog applicator



FS0012
 150x150 mm
 ISSA 4756024
 IMPA 336024

Fixed fire extinguishing installation



FS0013
 150x150 mm
 ISSA 4756044
 IMPA 336044

Fixed fire extinguishing bottle



FS0014
 150x150 mm

Remote release station



FS0015
 150x150 mm
 ISSA 4756808
 IMPA 336808

Fire monitor



FS0016
 150x150 mm

Fire alarm flashing light



FS0017
 150x150 mm

Firefighter's lift



FS0018
 150x150 mm

Directional indicator fire equipment

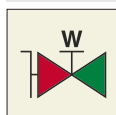


FS0030
 50x150 mm
 ISSA 4756210
 IMPA 336210

USE DIRECTIONAL INDICATOR



Fire hydrant



FC0048
 150x150 mm
 ISSA 4756815
 IMPA 336815

ALSO AVAILABLE AS A PANORAMIC SIGN



Dry hydrant



FS0201
 150x150 mm

Fire hydrant



FS0202
 150x150 mm

Underground fire hydrant



FS0203
 150x150 mm

Removable fire monitor



FS0204
 150x150 mm

Remote control fire extinguish system



FS0205
 150x150 mm

Hose box with nozzle



FS0206
 150x150 mm

Fire fighter



FS0207
 150x150 mm




























Fire alarm horn



FS0208
 150x150 mm

FIRE FIGHTING SIGNS

SUPPLEMENTARY COLOURS ACCORDING ISO 17631

Supplementary sign CO ₂  FS1001 50x150 mm	Supplementary sign Foam  FS1002 50x150 mm	Supplementary sign Halon  FS1003 50x150 mm	Supplementary sign Nitrogen  FS1004 50x150 mm
Supplementary sign Powder  FS1005 50x150 mm	Supplementary sign Water  FS1006 50x150 mm	Supplementary sign Novec 1230  FS1007 50x150 mm	Supplementary sign Aerosol  FS1008 50x150 mm
Supplementary sign Inergen  FS1009 50x150 mm	Suppl. sign Drenching/Deluge  FS1010 50x150 mm	Supplementary sign Sprinkler  FS1011 50x150 mm	Supplementary sign Watermist  FS1012 50x150 mm
Supplementary sign CO ₂  FS1051 150x50 mm	Supplementary sign Foam  FS1052 150x50 mm	Supplementary sign Nitrogen  FS1054 150x50 mm	Supplementary sign Powder  FS1055 150x50 mm
Supplementary sign Water  FS1056 150x50 mm	Supplementary sign Novec 1230  FS1057 150x50 mm	Supplementary sign Aerosol  FS1058 150x50 mm	Supplementary sign Inergen  FS1059 150x50 mm
Suppl. sign Drenching/Deluge  FS1060 150x50 mm	Supplementary sign Sprinkler  FS1061 150x50 mm	Supplementary sign Watermist  FS1062 150x50 mm	
Supplementary sign CO ₂ ..kg  FS1151 150x50 mm	Supplementary sign Foam ..L  FS1152 150x50 mm	Supplementary sign Powder ..kg  FS1155 150x50 mm	Supplementary sign water ..L  FS1156 150x50 mm

ON REQUEST THESE SUPPLEMENTARY SIGNS CAN BE COMBINED WITH A FIREFIGHTING SIGN AS ONE PIECE

ACCORDING TO ISO 24409-2 AND ISO 17631

Grey – CO₂ or N (Nitrogen)
 Yellow – F (Foam)
 Brown – Gas other than CO₂ or N, type of gas need to be indicated

White – P (Powder)
 Green – W (Water) or D (Drenching/Deluge)
 Orange – S (Sprinkler or high pressure water, such as watermist)

FIRE FIGHTING SIGNS

Fire extinguisher



FS2001
150x200 mm
ISSA 4756120
IMPA 336120

Fire alarm



FS2002
150x200 mm
ISSA 4756121
IMPA 336121

Fire hose reel



FS2003
150x200 mm
ISSA 4756122
IMPA 336122

Fire hose with nozzle



FS2004
150x200 mm

Fire phone



FS2005
150x200 mm
ISSA 4756124
IMPA 336124

Fire point



FS2006
150x200 mm
ISSA 4756123
IMPA 336123

Emergency shutdown



FS2007
150x200 mm

General alarm



FS2009
150x200 mm

Text on request



FS2010
150x200 mm

Fire door



FS2013
150x200 mm

Fire door keep closed



FS2014
150x200 mm

Release station deluge



FS2011
150x200 mm

Text on request



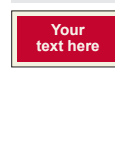
FS2012
150x200 mm

Supplementary text Fire extinguisher



FS2050
150x50 mm

Supplementary text on request



FS2051
150x50 mm



FIRE FIGHTING SIGNS

Number 0



FS3000
75x150 mm
ISSA 4756250
IMPA 336250

Number 1



FS3001
75x150 mm
ISSA 4756251
IMPA 336251

Number 2



FS3002
75x150 mm
ISSA 4756252
IMPA 336252

Number 3



FS3003
75x150 mm
ISSA 4756253
IMPA 336253

Number 4



FS3004
75x150 mm
ISSA 4756254
IMPA 336254

Number 5



FS3005
75x150 mm
ISSA 4756255
IMPA 336255

Number 6



FS3006
75x150 mm
ISSA 4756256
IMPA 336256

Number 7



FS3007
75x150 mm
ISSA 4756257
IMPA 336257

Number 8



FS3008
75x150 mm
ISSA 4756258
IMPA 336258

Number 9



FS3009
75x150 mm
ISSA 4756259
IMPA 336259

Fire hose reel



FS5001 ISSA 4756145
300x100 mm IMPA 336145

Fire hose with nozzle



FS5002
300x100 mm

In case of fire break glass



FS5003 ISSA 4756143
300x100 mm IMPA 336143

Fire alarm



FS5004 ISSA 4756141
300x100 mm IMPA 336141

Fire alarm call point



FS5005 ISSA 4756142
300x100 mm IMPA 336142

Fire blanket



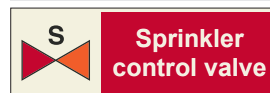
FS5006 ISSA 4756150
300x100 mm IMPA 336150

Fire hydrant



FS5007
300x100 mm

Sprinkler control valve



FS5008 ISSA 4756153
300x100 mm IMPA 336153

Fire extinguisher



FS5009 ISSA 4756140
300x100 mm IMPA 336140

Fire equipment stored inside



FS5010 ISSA 4756149
300x100 mm IMPA 336149

Fire point



FS5011 ISSA 4756147
300x100 mm IMPA 336147

For use on flammable liquid



FS5012 ISSA 4756164
300x100 mm IMPA 336164

For use on electrical fires



FS5013 ISSA 4756165
300x100 mm IMPA 336165

For use on any fires



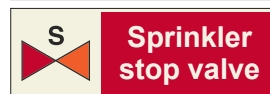
FS5014 ISSA 4756163
300x100 mm IMPA 336163

Used only in case of fire



FS5015 ISSA 4756151
300x100 mm IMPA 336151

Sprinkler stop valve



FS5016 ISSA 4756152
300x100 mm IMPA 336152

MATERIAL SPECIFICATIONS & AVAILABLE SIZES

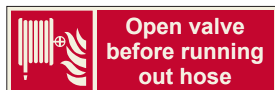
Standard size signs made of Pet-X material are all on stock and directly available. Each of the signs in this catalog are available in multiple different types of materials:

• Pet-X (PVC-free, the environment-friendly choice) • Retro-Reflective • Aluminum light • PVC • Transparent Vinyl • White, self-adhesive vinyl (non-reflective)

Non-standard sizes and materials other than the standard Pet-X material are available upon request. See page 26 for more information.

FIRE FIGHTING SIGNS

Open valve before running out hose



FS5017
300x100 mm
ISSA 4756146
IMPA 336146

Foam inlet



FS5019
300x100 mm
ISSA 4756155
IMPA 336155

Fireman's suit



FS5020
300x100 mm
ISSA 4756158
IMPA 336158

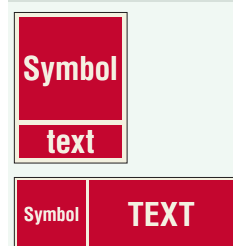
Fire pump start button



FS5021
300x100 mm
ISSA 4756159
IMPA 336159



ALL SYMBOLS AVAILABLE WITH ADDITIONAL TEXT



Fire blanket



FS6001
100x200 mm
ISSA 4756434
IMPA 336434

Water extinguisher



FS6002
100x200 mm
ISSA 4756430
IMPA 336430

Foam extinguisher



FS6003
100x200 mm
ISSA 4756431
IMPA 336431

Powder extinguisher



FS6004
100x200 mm
ISSA 4756432
IMPA 336432

CO² extinguisher



FS6005
100x200 mm
ISSA 4756433
IMPA 336433

Water



FS6050
80x200 mm

Foam spray



FS6051
80x200 mm

Dry powder



FS6052
80x200 mm

BC powder



FS6053
80x200 mm

Powder M28



FS6054
80x200 mm

CO₂



FS6055
80x200 mm

CO₂



FS6056
80x200 mm

Fire hose



FS6057
80x200 mm

Fire hose reel



FS6058
80x200 mm

Wet chemical



FS6059
80x200 mm

Hydro-spray



FS6060
80x200 mm

Extinguisher backplate

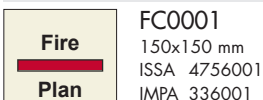


FS6101
300x870 mm

FIRE CONTROL SIGNS

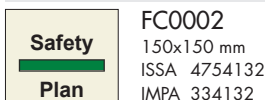
According to ISO 24409-2 and ISO 17631

Fire control plan



FC0001
150x150 mm
ISSA 4756001
IMPA 336001

Safety Plan



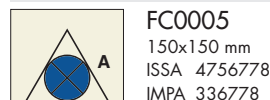
FC0002
150x150 mm
ISSA 4754132
IMPA 334132

Fire and safety plan



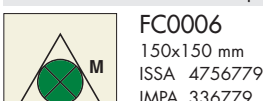
FC0003
150x150 mm
ISSA 4756013
IMPA 336013

Remote vent. shut-off accom.



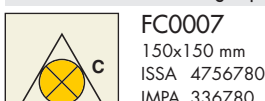
FC0005
150x150 mm
ISSA 4756778
IMPA 336778

Remote vent. shut-off mach'n spaces



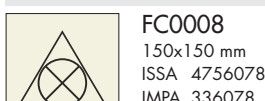
FC0006
150x150 mm
ISSA 4756779
IMPA 336779

Remote vent. shut-off cargo spaces



FC0007
150x150 mm
ISSA 4756780
IMPA 336780

Remote ventilaton shutoff



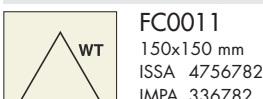
FC0008
150x150 mm
ISSA 4756078
IMPA 336078

Remote control for skylight



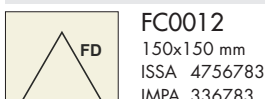
FC0010
150x150 mm
ISSA 4756781
IMPA 336781

Remote control for watertight doors



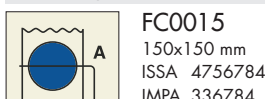
FC0011
150x150 mm
ISSA 4756782
IMPA 336782

Remote control for fire doors



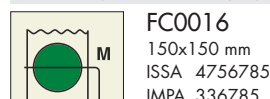
FC0012
150x150 mm
ISSA 4756783
IMPA 336783

Fire damper accommodation



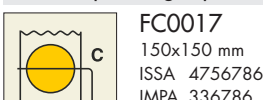
FC0015
150x150 mm
ISSA 4756784
IMPA 336784

Fire damper machinery space



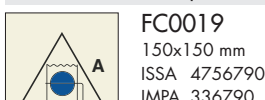
FC0016
150x150 mm
ISSA 4756785
IMPA 336785

Fire damper cargo space



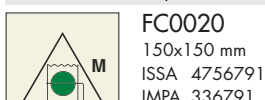
FC0017
150x150 mm
ISSA 4756786
IMPA 336786

Rmt. control fire dampers accom.



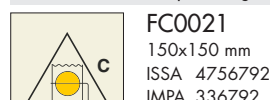
FC0019
150x150 mm
ISSA 4756790
IMPA 336790

Rmt. control fire dampers mach'n space



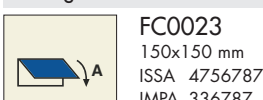
FC0020
150x150 mm
ISSA 4756791
IMPA 336791

Rmt. control fire dampers cargo space



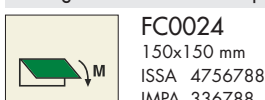
FC0021
150x150 mm
ISSA 4756792
IMPA 336792

Closing device ventilation accom.



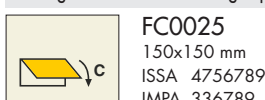
FC0023
150x150 mm
ISSA 4756787
IMPA 336787

Closing device vent. mach'n spaces



FC0024
150x150 mm
ISSA 4756788
IMPA 336788

Closing device ventilation cargo spaces



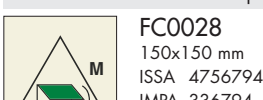
FC0025
150x150 mm
ISSA 4756789
IMPA 336789

Rmt. control cl. device accom.



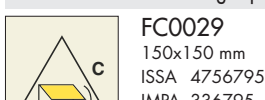
FC0027
150x150 mm
ISSA 4756793
IMPA 336793

Rmt. control cl. device mach'n spaces



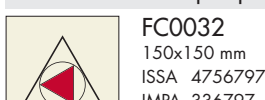
FC0028
150x150 mm
ISSA 4756794
IMPA 336794

Rmt. control cl. device cargo spaces



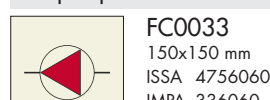
FC0029
150x150 mm
ISSA 4756795
IMPA 336795

Remote control fire pumps



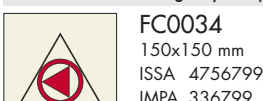
FC0032
150x150 mm
ISSA 4756797
IMPA 336797

Fire pump



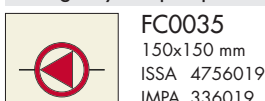
FC0033
150x150 mm
ISSA 4756800
IMPA 336800

Remote control emergency fire pump



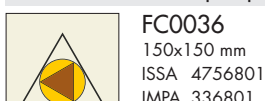
FC0034
150x150 mm
ISSA 4756799
IMPA 336799

Emergency fire pump



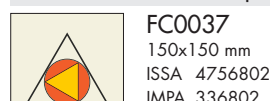
FC0035
150x150 mm
ISSA 4756801
IMPA 336801

Remote shut-off fuel pumps



FC0036
150x150 mm
ISSA 4756801
IMPA 336801

Remote shut-off lube oil pumps



FC0037
150x150 mm
ISSA 4756802
IMPA 336802

MATERIAL SPECIFICATIONS & AVAILABLE SIZES

Standard size signs made of Pet-X material are all on stock and directly available. Each of the signs in this catalog are available in multiple different types of materials:

- Pet-X (PVC-free, the environment-friendly choice)
- Retro-Reflective
- Aluminum light
- PVC
- Transparant Vinyl
- White, self-adhesive vinyl (non-reflective)

Non-standard sizes and materials other than the standard Pet-X material are available upon request. See page 26 for more information.



FIRE CONTROL SIGNS

According to ISO 24409-2 and ISO 17631

Remote control bilge pump(s)



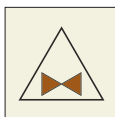
FC0038
150x150 mm
ISSA 4756803
IMPA 336803

Remote control emergency bilge pump



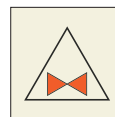
FC0039
150x150 mm
ISSA 4756804
IMPA 336804

Remote control fuel oil valves



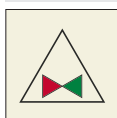
FC0042
150x150 mm
ISSA 4756805
IMPA 336805

Remote control lube oil valves



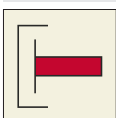
FC0043
150x150 mm
ISSA 4756806
IMPA 336806

Remote control for fire pump valves



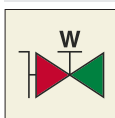
FC0044
150x150 mm
ISSA 4756807
IMPA 336807

International shore connection



FC0047
150x150 mm
ISSA 4756059
IMPA 336059

Fire hydrant



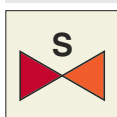
FC0048
150x150 mm
50x50 mm
ISSA 4756815
IMPA 336815

Fire main section valve



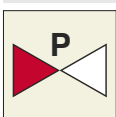
FC0049
150x150 mm
ISSA 4756818
IMPA 336818

Sprinkler section valve



FC0050
150x150 mm
ISSA 4756819
IMPA 336819

Powder section valve



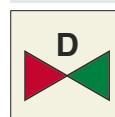
FC0051
150x150 mm
ISSA 4756817
IMPA 336817

Foam section valve



FC0052
150x150 mm
ISSA 4756816
IMPA 336816

Drenching section valve



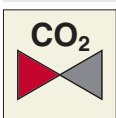
FC0053
150x150 mm
ISSA 4756029
IMPA 336029

Watermist section valve



FC0054
150x150 mm

CO₂ section valve



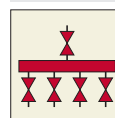
FC0055
150x150 mm

High expansion foam supply trunk



FC0056
150x150 mm
ISSA 4756838
IMPA 336838

Water spray system valves

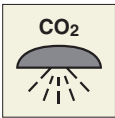
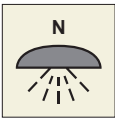
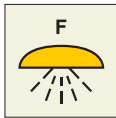
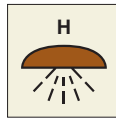



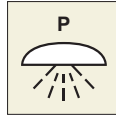
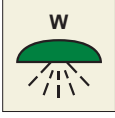


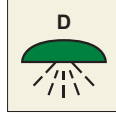


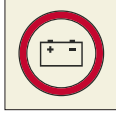
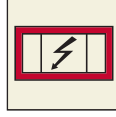





FC0057
150x150 mm
ISSA 4756027
IMPA 336027



FIRE CONTROL SIGNS

According to ISO 24409-2 and ISO 17631

Space protected by CO ₂ system  FC0060 150x150 mm ISSA 4756007 IMPA 336007	Space protected by nitrogen system  FC0061 150x150 mm ISSA 4756877 IMPA 336877	Space protected by foam system  FC0062 150x150 mm ISSA 4756016 IMPA 336016	Space protected by halon system  FC0063 150x150 mm ISSA 4756011 IMPA 336011
Space protected by inergen system  FC0064 150x150 mm	Space protected by aerosol system  FC0065 150x150 mm	Space protected by NOVEC system  FC0066 150x150 mm	Space protected by powder system  FC0068 150x150 mm
Space protected by water system  FC0069 150x150 mm	Space protected by watermist system  FC0070 150x150 mm	Space protected by sprinkler system  FC0071 150x150 mm ISSA 4756045 IMPA 336045	Space prot. by drenching/deluge system  FC0072 150x150 mm ISSA 4756028 IMPA 336028
Space protected by Hi Fog system  FC0073 150x150 mm	Emergency generator  FC0076 150x150 mm ISSA 4756076 IMPA 336076	Emergency battery  FC0077 150x150 mm ISSA 4756887 IMPA 336887	Emergency switchboard  FC0078 150x150 mm ISSA 4756077 IMPA 336077
Breathing air compressor  FC0079 150x150 mm ISSA 4756869 IMPA 336869	Fire alarm panel  FC0080 150x150 mm ISSA 4756043 IMPA 336870	Fire hydrant foam  FC0081 150x150 mm	

MATERIAL SPECIFICATIONS & AVAILABLE SIZES

Standard size signs made of Pet-X material are all on stock and directly available. Each of the signs in this catalog are available in multiple different types of materials:

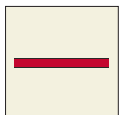
- Pet-X (PVC-free, the environment-friendly choice)
- Retro-Reflective
- Aluminum light
- PVC
- Transparent Vinyl
- White, self-adhesive vinyl (non-reflective)

Non-standard sizes and materials other than the standard Pet-X material are available upon request. See page 26 for more information.

FIRE CONTROL SIGNS

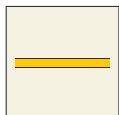
According to ISO 17631

A-class division



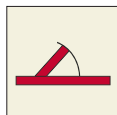
FC2001
150x150 mm
ISSA 4756031
IMPA 336031

B-class division



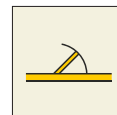
FC2002
150x150 mm
ISSA 4756037
IMPA 336037

A-class hinged fire door



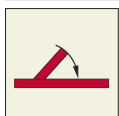
FC2003
150x150 mm
ISSA 4756032
IMPA 336032

B-class hinged fire door



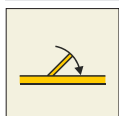
FC2004
150x150 mm
ISSA 4756038
IMPA 336038

A-class hinged self closing fire door



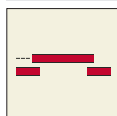
FC2005
150x150 mm
ISSA 4754033
IMPA 336033

B-class hinged self closing fire door



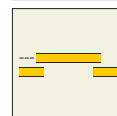
FC2006
150x150 mm
ISSA 4756039
IMPA 336039

A-class sliding fire door



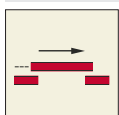
FC2007
150x150 mm
ISSA 4756034
IMPA 336034

B-class sliding fire door



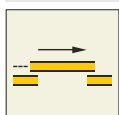
FC2008
150x150 mm
ISSA 4756040
IMPA 336040

A-class self closing sliding fire door



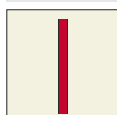
FC2009
150x150 mm
ISSA 4756035
IMPA 336035

B-class self closing sliding fire door



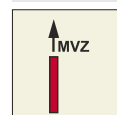
FC2010
150x150 mm
ISSA 4756041
IMPA 336041

Main vertical zone division



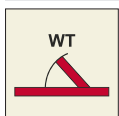
FC2125
150x150 mm
ISSA 4756753
IMPA 336753

Main vertical zone



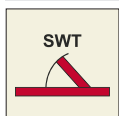
FC2126
150x150 mm
ISSA 4756042
IMPA 336042

"A" Watertight fire door



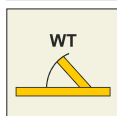
FC2127
150x150 mm
ISSA 4756755
IMPA 336755

"A" Semi-watertight fire door



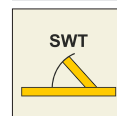
FC2128
150x150 mm
ISSA 4756756
IMPA 336756

"B" Watertight fire door



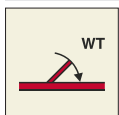
FC2129
150x150 mm
ISSA 4756758
IMPA 336758

"B" Semi-watertight fire door



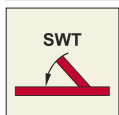
FC2130
150x150 mm
ISSA 4756759
IMPA 336759

"A" Self closing watertight fire door



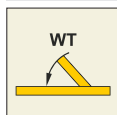
FC2131
150x150 mm
ISSA 4756761
IMPA 336761

"A" Self closing semi-watertight fire door



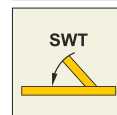
FC2132
150x150 mm
ISSA 4756762
IMPA 336762

"B" Self closing watertight fire door



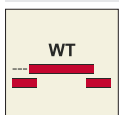
FC2133
150x150 mm
ISSA 4756764
IMPA 336764

"B" Self closing semi-watertight fire door



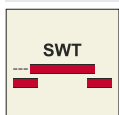
FC2134
150x150 mm
ISSA 4756765
IMPA 336765

"A" Watertight sliding fire door



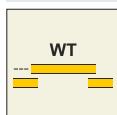
FC2135
150x150 mm
ISSA 4756767
IMPA 336767

"A" Semi-watertight sliding fire door



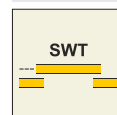
FC2136
150x150 mm
ISSA 4756768
IMPA 336768

"B" Watertight sliding fire door



FC2137
150x150 mm
ISSA 4756770
IMPA 336770

"B" Semi-watertight sliding fire door



FC2138
150x150 mm
ISSA 4756771
IMPA 336771

FIRE CONTROL SIGNS

According to ISO 17631

"A" Self closing sl watertight fire door FC2139 150x150 mm ISSA 4756773 IMPA 336773	"A" Self cl. sl. semi-watertight fire door FC2140 150x150 mm ISSA 4756774 IMPA 336774	"B" Self closing sl watertight fire door FC2141 150x150 mm ISSA 4756776 IMPA 336776	"B" Self cl. sl. semi-watertight fire door FC2142 150x150 mm ISSA 4756777 IMPA 336777
Fire axe FC2072 150x150 mm ISSA 4756026 IMPA 336026	Smoke detector FC2073 150x150 mm ISSA 4756056 IMPA 336056	Heat detector FC2074 150x150 mm ISSA 4756061 IMPA 336061	Flame detector FC2075 150x150 mm ISSA 4756875 IMPA 336875
Gas detector FC2076 150x150 mm ISSA 4756062 IMPA 336062	Heat and smoke detector FC2077 150x150 mm		
Spare charges fire extinguisher FC2078 150x150 mm ISSA 4756715 IMPA 336715	Refills fire extinguisher FC2079 150x150 mm		
Bilge pump FC2090 150x150 mm ISSA 4756021 IMPA 336021	Emergency bilge pump FC2091 150x150 mm ISSA 4756022 IMPA 336022		
Locker breathing apparatus FC2092 150x150 mm ISSA 4756068 IMPA 336068	SOPEP FC2093 150x150 mm		

MATERIAL SPECIFICATIONS & AVAILABLE SIZES

Standard size signs made of Pet-X material are all on stock and directly available. Each of the signs in this catalog are available in multiple different types of materials:

- Pet-X (PVC-free, the environment-friendly choice)
- Retro-Reflective
- Aluminum light
- PVC
- Transparant Vinyl
- White, self-adhesive vinyl (non-reflective)

Non-standard sizes and materials other than the standard Pet-X material are available upon request. See page 26 for more information.









FIRE CONTROL SIGNS

According to IMO A.1116(30) the signs of this page are only for use onboard vessels build before 2019.

Remote release station CO₂  FC2012 150x150 mm ISSA 4756808 IMPA 336808 to be replaced by FS0015 + FS1051	Remote release station nitrogen  FC2013 150x150 mm ISSA 4756809 IMPA 336809 to be replaced by FS0015 + FS1054	Remote release station halon  FC2014 150x150 mm ISSA 4756810 IMPA 336810 to be replaced by FS0015 + FS1053	Remote release station powder  FC2015 150x150 mm ISSA 4756812 IMPA 336812 to be replaced by FS0015 + FS1055
Remote release station water  FC2016 150x150 mm ISSA 4756813 IMPA 336813 to be replaced by FS0015 + FS1056	Remote release station foam  FC2017 150x150 mm ISSA 4756811 IMPA 336811 to be replaced by FS0015 + FS1052	Remote release station inergen  FC2018 150x150 mm ISSA 4756808 IMPA 336808 to be replaced by FS0015 + FS1059	Remote release station aerosol  FC2019 150x150 mm to be replaced by FS0015 + FS1058
Fixed fire ext. inst. CO₂  FC2021 150x150 mm ISSA 4756820 IMPA 336820 to be replaced by FS0013 + FS1051	Fixed fire ext. inst. nitrogen  FC2022 150x150 mm ISSA 4756821 IMPA 336821 to be replaced by FS0013 + FS1054	Fixed fire ext. inst. foam  FC2023 150x150 mm ISSA 4756823 IMPA 336823 to be replaced by FS0013 + FS1052	Fixed fire ext. inst. halon  FC2024 150x150 mm ISSA 4756822 IMPA 336822 to be replaced by FS0013 + FS1053
Fixed fire ext. inst. powder  FC2025 150x150 mm ISSA 4756824 IMPA 336824 to be replaced by FS0013 + FS1055	fixed fire ext. inst. water  FC2026 150x150 mm ISSA 4756825 IMPA 336825 to be replaced by FS0013 + FS1056	Extinguishing battery CO₂  FC2027 150x150 mm ISSA 4756826 IMPA 336826 to be replaced by FS0009 + FS1051	Extinguishing battery nitrogen  FC2028 150x150 mm ISSA 4756827 IMPA 336827 to be replaced by FS0009 + FS1054
Extinguishing battery foam  FC2029 150x150 mm ISSA 4756829 IMPA 336829 to be replaced by FS0009 + FS1052	Extinguishing battery halon  FC2030 150x150 mm ISSA 4756828 IMPA 336828 to be replaced by FS0009 + FS1053	Extinguishing battery powder  FC2031 150x150 mm ISSA 4756830 IMPA 336830 to be replaced by FS0009 + FS1055	Extinguishing battery water  FC2032 150x150 mm ISSA 4756831 IMPA 336831 to be replaced by FS0009 + FS1056
Extinguishing battery inergen  FC2033 150x150 mm ISSA 4756826 IMPA 336826 to be replaced by FS0009 + FS1059	Extinguishing battery aerosol  FC2034 150x150 mm to be replaced by FS0009 + FS1058	Protected ext. bottle CO₂  FC2036 150x150 mm ISSA 4756832 IMPA 336832 to be replaced by FS0014 + FS1051	Protected ext. bottle nitrogen  FC2037 150x150 mm ISSA 4756833 IMPA 336833 to be replaced by FS0014 + FS1054
Protected ext. bottle foam  FC2038 150x150 mm ISSA 4756835 IMPA 336835 to be replaced by FS0014 + FS1052	Protected ext. bottle halon  FC2039 150x150 mm ISSA 4756834 IMPA 336834 to be replaced by FS0014 + FS1053	Protected ext. bottle powder  FC2040 150x150 mm ISSA 4756836 IMPA 336836 to be replaced by FS0014 + FS1055	Protected ext. bottle water  FC2041 150x150 mm ISSA 4756837 IMPA 336837 to be replacde by FS0014 + FS1056

FIRE CONTROL SIGNS

According to IMO A.1116(30) the signs of this page are only for use onboard vessels build before 2019.

Protected ext. bottle aerosol  FC2042 150x150 mm ISSA 4756844 IMPA 336844 to be replaced by FS0014 + FS1058	Foam monitor  FC2044 150x150 mm ISSA 4756841 IMPA 336841 to be replaced by FS0016 + FS1052	Powder monitor  FC2045 150x150 mm ISSA 4756842 IMPA 336842 to be replaced by FS0016 + FS1055	Water monitor  FC2046 150x150 mm ISSA 4756843 IMPA 336843 to be replaced by FS0016 + FS1056
Hose reel foam  FC2047 150x150 mm ISSA 4756844 IMPA 336844 to be replaced by FS0003 + FS1052	Hose reel powder  FC2048 150x150 mm ISSA 4756845 IMPA 336845 to be replaced by FS0003 + FS1055	Hose reel water  FC2049 150x150 mm ISSA 4756846 IMPA 336846 to be replaced by FS0003 + FS1056	CO₂ fire extinguisher  FC2050 150x150 mm ISSA 4756847 IMPA 336847 to be replaced by FS0001 + FS1051
Powder fire extinguisher  FC2051 150x150 mm ISSA 4756850 IMPA 336850 to be replaced by FS0001 + FS1055	Foam fire extinguisher  FC2052 150x150 mm ISSA 4756849 IMPA 336849 to be replaced by FS0001 + FS1052	Halon fire extinguisher  FC2053 150x150 mm ISSA 4756848 IMPA 336848 to be replaced by FS0001 + FS1053	Water fire extinguisher  FC2054 150x150 mm ISSA 4756851 IMPA 336851 to be replaced by FS0001 + FS1056
Light water fire extinguisher  FC2055 150x150 mm ISSA 4756080 IMPA 336080 to be replaced by FS0001 + FS1152	Water mist fire extinguisher  FC2056 150x150 mm to be replaced by FS0001 + FS1062	Wet chemical fire extinguisher  FC2057 150x150 mm to be replaced by FS0001 + FS1152	CO₂ wheeled fire extinguisher  FC2060 150x150 mm ISSA 4756852 IMPA 336852 to be replaced by FS0010 + FS1051
Foam wheeled fire extinguisher  FC2061 150x150 mm ISSA 4756854 IMPA 336854 to be replaced by FS0010 + FS1052	Halon wheeled fire extinguisher  FC2062 150x150 mm ISSA 4756853 IMPA 336853 to be replaced by FS0010 + FS1053	Powder wheeled fire extinguisher  FC2063 150x150 mm ISSA 4756855 IMPA 336855 to be replaced by FS0010 + FS1055	Water wheeled fire extinguisher  FC2064 150x150 mm ISSA 4756856 IMPA 336856 to be replaced by FS0010 + FS1056
Portable foam applicator  FC2066 150x150 mm ISSA 4756857 IMPA 336857 to be replaced by FS0011	Water fog applicator  FC2067 150x150 mm ISSA 4756885 IMPA 336885 to be replaced by FS0012	General alarm button or switch  FC2070 150x150 mm ISSA 4756022 IMPA 336002 to be replaced by RS0027	

MATERIAL SPECIFICATIONS & AVAILABLE SIZES

Standard size signs made of Pet-X material are all on stock and directly available. Each of the signs in this catalog are available in multiple different types of materials:

- Pet-X (PVC-free, the environment-friendly choice)
- Retro-Reflective
- Aluminum light
- PVC
- Transparent Vinyl
- White, self-adhesive vinyl (non-reflective)

Non-standard sizes and materials other than the standard Pet-X material are available upon request. See page 26 for more information.

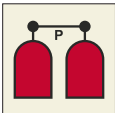
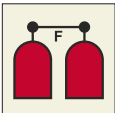
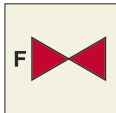


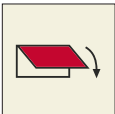
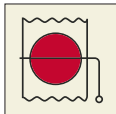


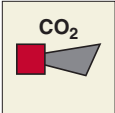
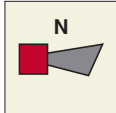
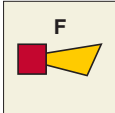
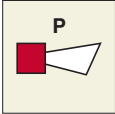


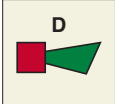

FIRE CONTROL SIGNS

According to IMO A.1116(30) the signs of this page are only for use onboard vessels build before 2019.

Control station  FC2080 150x150 mm ISSA 4756066 IMPA 336066	Fire station  FC2081 150x150 mm ISSA 4756030 IMPA 336030 to be replaced by FS0004	Fire equipment  FC2082 150x150 mm ISSA 4756067 IMPA 336067 to be replaced by FS0006	Fire locker  FC2083 150x150 mm ISSA 4756858 IMPA 336858 to be replaced by FS0006
Inert gas installation  FC2084 150x150 mm ISSA 4756073 IMPA 336073 to be replaced by FS0009 + FS1059	Safety equipment  FC2085 150x150 mm	Heli equipment  FC2086 150x150 mm	Sprinkler  FC2094 150x150 mm ISSA 4756045 IMPA 336045 to be replaced by FC0071
Rmt. controlled fuel/lub. oil valves  FC2095 150x150 mm ISSA 4756065 IMPA 336065 to be replaced by FC0042 or FC0043	CO₂ release station  FC2097 150x150 mm ISSA 4756009 IMPA 336009 to be replaced by FS0015 + FS1051	Halon release station  FC2098 150x150 mm ISSA 4756049 IMPA 336049 to be replaced by FS0015 + FS1053	Hose box with spray / jet  FC2099 150x150 mm ISSA 4756058 IMPA 336058 to be replaced by FS0004
Locker with add'l protective clothing  FC2100 150x150 mm ISSA 4756069 IMPA 336069 to be replaced by RS0037	Rmt. contrll. fire pump or emergency sw  FC2101 150x150 mm ISSA 4756020 IMPA 336020 to be replaced by FC0032	Fire main with valves  FC2102 150x150 mm ISSA 4756057 IMPA 336057 to be replaced by FC0049	Space protected by automatic fire alarm  FC2103 150x150 mm ISSA 4756006 IMPA 336006 to be replaced by FS0017
Emergency telephone station  FC2104 150x150 mm ISSA 4756025 IMPA 336025 to be replaced by FS0005	Foam nozzle  FC2105 150x150 mm ISSA 4756015 IMPA 336015	Sprinkler installation  FC2106 150x150 mm ISSA 4756044 IMPA 336044 to be replaced by FS0013 + FS1061	Manual call point  FC2107 150x150 mm ISSA 4756005 IMPA 336005 to be replaced by FS0002
Monitored by detector  FC2108 150x150 mm ISSA 4756055 IMPA 336055 to be replaced by FC0073 - FC0077	Wet chemical applicator  FC2109 150x150 mm to be replaced by FS0012 + FS10552	Emergency light  FC2111 150x150 mm to be replaced by FS0017	Battery 24V  FC2112 150x150 mm to be replaced by FC0077
Space protected by foam  FC2113 150x150 mm ISSA 4756016 IMPA 336016 to be replaced by FC0062	Sprinkler horn  FC2114 150x150 mm ISSA 4756046 IMPA 336046 to be replaced by FS0208	Remote control skylights  FC2115 150x150 mm ISSA 4756064 IMPA 336064	Powder installation  FC2116 150x150 mm ISSA 4756051 IMPA 336051 to be replaced by FS0013 + FS1055

FIRE CONTROL SIGNS

According to IMO A.1116(30) the signs of this page are only for use onboard vessels build before 2019.

Powder release station  FC2117 150x150 mm ISSA 4756054 IMPA 336054 to be replaced by FS0015 + FS1055	Foam release station  FC2118 150x150 mm ISSA 4756018 IMPA 336018 to be replaced by FS0015 + FS1052	Foam valve  FC2119 150x150 mm ISSA 4756017 IMPA 336017 to be replaced by FC0052	High exp. foam suppl. trunk  FC2120 150x150 mm ISSA 4756074 IMPA 336074
Foam installation  FC2121 150x150 mm ISSA 4756013 IMPA 336013 to be replaced by FS0013 + FS1052	Closing applce ext. vent. in/out  FC2122 150x150 mm ISSA 4756072 IMPA 336072	Fire damper in vent duct  FC2123 150x150 mm ISSA 4756063 IMPA 336063	
Fire alarm  FC2148 150x150 mm ISSA 4756004 IMPA 336004			
Fire alarm horn  FC2149 150x150 mm ISSA 4756003 IMPA 336003	Alarm horn CO₂ system  FC2150 150x150 mm ISSA 4756008 IMPA 336008	Alarm horn nitrogen system  FC2151 150x150 mm	Alarm horn foam system  FC2152 150x150 mm
Alarm horn powder system  FC2153 150x150 mm	Alarm horn inergen system  FC2154 150x150 mm	Alarm horn novoc system  FC2155 150x150 mm	Alarm horn aerosol system  FC2156 150x150 mm
Alarm horn drenching system  FC2157 150x150 mm	Alarm horn watermist system  FC2158 150x150 mm		

MATERIAL SPECIFICATIONS & AVAILABLE SIZES

Standard size signs made of Pet-X material are all on stock and directly available. Each of the signs in this catalog are available in multiple different types of materials:

• Pet-X (PVC-free, the environment-friendly choice) • Retro-Reflective • Aluminum light • PVC • Transparent Vinyl • White, self-adhesive vinyl (non-reflective)

Non-standard sizes and materials other than the standard Pet-X material are available upon request. See page 26 for more information.

WARNING SIGNS

General warning sign



WS0001
150x150 mm
ISSA 4757500
IMPA 337500

Flammable material



WS0002
150x150 mm
ISSA 4757509
IMPA 337509

Explosive material



WS0003
150x150 mm
ISSA 4757504
IMPA 337504

Toxic material



WS0004
150x150 mm
ISSA 4757506
IMPA 337506

Corrosive substance



WS0005
150x150 mm
ISSA 4757505
IMPA 337505

Oxidising substance



WS0006
150x150 mm

Substance with environmental hazard



WS0007
150x150 mm

Long term health hazard



WS0008
150x150 mm
ISSA 4757507
IMPA 337507

Electricity



WS0009
150x150 mm
ISSA 4757507
IMPA 337507

Radioactive material or ionizing radiation



WS0010
150x150 mm
ISSA 4757511
IMPA 337511

Biological hazard



WS0011
150x150 mm
ISSA 4757501
IMPA 337501

Low temperature / freezing conditions



WS0012
150x150 mm

Hot surface



WS0013
150x150 mm

Overhead load



WS0015
150x150 mm

Industrial vehicles



WS0016
150x150 mm
ISSA 4757503
IMPA 337503

Automatic start-up



WS0017
150x150 mm

Run over by remote operator controlled machine



WS0018
150x150 mm

Pressurized cylinder



WS0019
150x150 mm

Battery charging



WS0020
150x150 mm

Non-ionizing radiation



WS0021
150x150 mm
ISSA 4757515
IMPA 337515

Laser beam



WS0022
150x150 mm

Optical radiation



WS0023
150x150 mm

Magnetic field



WS0024
150x150 mm

Asphyxiation atmosphere



WS0025
150x150 mm



MATERIAL SPECIFICATIONS & AVAILABLE SIZES

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WARNING SIGNS

Sudden loud noise



WS0026
150x150 mm

Arc flash



WS0027
150x150 mm

Floor level obstacle



WS0029
150x150 mm
ISSA 4757508
IMPA 337508

Drop (fall)



WS0030
150x150 mm

Slippery surface



WS0031
150x150 mm
ISSA 4757501
IMPA 337501

Overhead obstacle



WS0032
150x150 mm
ISSA 4757502
IMPA 337502

Crushing



WS0033
150x150 mm

Crushing of hands



WS0034
150x150 mm

Sharp element



WS0035
150x150 mm

Counterrotating rollers



WS0036
150x150 mm

Hand crushing between press brake tool



WS0037
150x150 mm

Hand crushing between press brake and material



WS0038
150x150 mm

Rapid movement of workpiece in press brake



WS0039
150x150 mm

Barbed wire



WS0043
150x150 mm

Guard dog



WS0044
150x150 mm

Bull



WS0045
150x150 mm

Crocodiles, alligators or caymans



WS0046
150x150 mm

Falling objects



WS0047
150x150 mm

Falling ice



WS0048
150x150 mm

Fragile roof



WS0049
150x150 mm

Quicksand or mud / deep mud or silt



WS0050
150x150 mm

Deep water



WS0051
150x150 mm

Shallow water (diving)



WS0052
150x150 mm

Unprotected edge



WS0053
150x150 mm

Unstable cliff edge



WS0054
150x150 mm

Unstable cliff



WS0055
150x150 mm

Strong winds



WS0056
150x150 mm

Step down



WS0057
150x150 mm

Long term health hazard



WS0058
150x150 mm

Environmental hazard



WS0059
150x150 mm

Hot content



WS0060
150x150 mm

Hot steam



WS0061
150x150 mm

WARNING SIGNS

Hot liquids



WS1001
150x150 mm

Dangerous stairs



WS1002
150x150 mm

Rotating cutter



WS1003
150x150 mm

Rotating parts / belts and tires



WS1004
150x150 mm

Rotating gearing wheels



WS1005
150x150 mm

Camera surveillance



WS1006
150x150 mm

EX zone



WS1010
150x150 mm

H₂S



WS1011
150x150 mm

Harmful/ irritant materials



WS1012
150x150 mm

Confined space



WS1013
150x150 mm

Hot steam under pressure



WS1014
150x150 mm

High pressure water jets



WS1015
150x150 mm

Space with high temperature



WS1016
150x150 mm

Moving machinery



WS2001
150x200 mm
ISSA 4757546
IMPA 337546

DANGER
Moving machinery

Gas under pressure



WS2002
150x200 mm

DANGER
Gas under pressure

Poison gas



WS2003
150x200 mm

DANGER
Poison gas

High noise levels



WS2004
150x200 mm

DANGER
High noise levels

Lack of oxygen



WS2005
150x200 mm
ISSA 4757544
IMPA 337544

DANGER
Lack of oxygen

Explosive atmosphere



WS2006
150x200 mm

DANGER
Explosive atmosphere

Work in progress on radar



WS2007
150x200 mm

DANGER
Work in progress on radar

Danger



WS2008
150x200 mm
ISSA 4757540
IMPA 337540

DANGER

CO₂ protected area



WS2009
150x200 mm
ISSA 4757545
IMPA 337545

WARNING
You are entering
a CO₂ protected area

Starts/stops automatically



WS2010
150x200 mm
ISSA 4757557
IMPA 337557

WARNING
Motor starts and stops
automatically

Wet deck



WS2011
150x200 mm
ISSA 4757573
IMPA 337573

DANGER
Wet deck

High voltage



WS2012
150x200 mm
ISSA 4757610
IMPA 337610

DANGER
High voltage

MATERIAL SPECIFICATIONS & AVAILABLE SIZES

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WARNING SIGNS

Electrical hazard DANGER Electrical hazard	WS2013 150x200 mm ISSA 4757611 IMPA 337611	Explosion risk DANGER Explosion risk	WS2014 150x200 mm ISSA 4757581 IMPA 337581	Unmanned machinery DANGER Unmanned machinery space Machinery may start without warning	WS2015 150x200 mm ISSA 4757542 IMPA 337542	Battery charging DANGER Battery charging	WS2016 150x200 mm ISSA 4757543 IMPA 337543
Low oxygen level DANGER Asphyxiating atmosphere	WS2017 150x200 mm ISSA 4757544 IMPA 337544	Under maintenance DANGER Under maintenance	WS2018 150x200 mm ISSA 4757547 IMPA 337547	Overhead working DANGER Overhead working	WS2019 150x200 mm ISSA 4757548 IMPA 337548	Out of order CAUTION Out of order	WS2020 150x200 mm ISSA 4757566 IMPA 337566
Slip hazard CAUTION Slip hazard	WS2021 150x200 mm ISSA 4757572 IMPA 337572	Slippery surface CAUTION Slippery surface	WS2022 150x200 mm ISSA 4757574 IMPA 337574	Mind your head WARNING Mind your head	WS2023 150x200 mm ISSA 4757570 IMPA 337570	Petroleum vapour DANGER Petroleum vapour	WS2024 150x200 mm ISSA 4757580 IMPA 337580
Explosive gasses CAUTION Explosive gasses	WS2025 150x200 mm ISSA 4757582 IMPA 337582	Battery acid CAUTION Battery acid	WS2026 150x200 mm ISSA 4757591 IMPA 337591	Corrosive substance DANGER Corrosive substance	WS2027 150x200 mm ISSA 4757596 IMPA 337596	Caustic DANGER Caustic	WS2028 150x200 mm ISSA 4757597 IMPA 337597
Toxic DANGER Toxic	WS2029 150x200 mm ISSA 4757600 IMPA 337600	Chlorine DANGER Chlorine	WS2030 150x200 mm ISSA 4757601 IMPA 337601	Harmful vapours DANGER Harmful vapours	WS2031 150x200 mm ISSA 4757604 IMPA 337604	380 Volts DANGER 380 volts	WS2032 150x200 mm ISSA 4757615 IMPA 337615



WARNING SIGNS

440 Volts



WS2033
150x200 mm
ISSA 4757614
IMPA 337614

3300 Volts



WS2034
150x200 mm
ISSA 4757625
IMPA 337625

Trip hazard



WS2035
150x200 mm
ISSA 4757620
IMPA 337620

Mind the step



WS2036
150x200 mm
ISSA 4757623
IMPA 337623

Uneven surface



WS2037
150x200 mm
ISSA 4757629
IMPA 337629

Flammable liquid



WS2038
150x200 mm
ISSA 4757631
IMPA 337631

Fire risk



WS2039
150x200 mm
ISSA 4757630
IMPA 337630

Low flash point



WS2040
150x200 mm
ISSA 4757636
IMPA 337636

Loud noise



WS2041
150x200 mm
ISSA 4757650
IMPA 337650

Radiation risk



WS2042
150x200 mm
ISSA 4757660
IMPA 337660

Ionizing radiation



WS2043
150x200 mm
ISSA 4757670
IMPA 337670

Biological hazard



WS2044
150x200 mm
ISSA 4757680
IMPA 337680

Danger of infection



WS2045
150x200 mm
ISSA 4757681
IMPA 337681

Non-ionising radiation



WS2046
150x200 mm
ISSA 4757673
IMPA 337673

Danger of death



WS2047
150x200 mm
ISSA 4757688
IMPA 337688

Compressed oxygen



WS2048
150x200 mm
ISSA 4757585
IMPA 337585

Open slowly



WS2049
150x200 mm
ISSA 4757541
IMPA 337541

Compressed gasses



WS2050
150x200 mm
ISSA 4757584
IMPA 334050

Danger automatic sliding door



WS2051
150x200 mm

Danger explosion risk



WS2052
150x200 mm

Space with high temperature



WS2053
150x200 mm

Acetylene



WS5001 ISSA 4757701
300x100 mm IMPA 337701

Oxygen



WS5002 ISSA 4757700
300x100 mm IMPA 337700

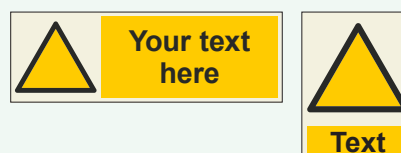
Solvents



WS5003
300x100 mm

ALL OTHER COMBINATIONS WITH TEXTS ON REQUEST

Give the symbol code, for example WS0001.
Then choose your desired language or combination.
Multiple languages are also possible.



PROHIBITION SIGNS

General prohibition sign  PS0001 150x150 mm	No smoking  PS0002 150x150 mm ISSA 4758500 IMPA 338500	No open flame or fire  PS0003 150x150 mm ISSA 4758501 IMPA 338501	No thoroughfare  PS0004 150x150 mm ISSA 4758503 IMPA 338503
Do not extinguish with water  PS0005 150x150 mm ISSA 4758509 IMPA 338509	No drinking water  PS0006 150x150 mm ISSA 4758505 IMPA 338505	No access for unauthorized  PS0007 150x150 mm ISSA 4758502 IMPA 338502	No access for industrial vehicles  PS0009 150x150 mm
Do not touch  PS0010 150x150 mm ISSA 4758504 IMPA 338504	No metallic articles or watches  PS0011 150x150 mm	Do not alter the state of the switch  PS0012 150x150 mm ISSA 4758553 IMPA 338553	Do not obstruct  PS0013 150x150 mm
No activated mobile phone  PS0014 150x150 mm ISSA 4758510 IMPA 338510	No eating or drinking  PS0015 150x150 mm ISSA 4758566 IMPA 338566	No climbing  PS0016 150x150 mm	No access with impl. cardiac devices  PS0017 150x150 mm
No access metallic implants  PS0018 150x150 mm	No reaching in  PS0019 150x150 mm	No heavy load  PS0020 150x150 mm	No photography  PS0021 150x150 mm ISSA 4758692 IMPA 338692
Do not spray with water  PS0022 150x150 mm	No pushing  PS0023 150x150 mm	No sitting  PS0024 150x150 mm	No stepping on surface  PS0025 150x150 mm
Do not use lift in case of fire  PS0026 150x150 mm ISSA 4756300 IMPA 336300	No dogs  PS0027 150x150 mm	Do not walk or stand here  PS0028 150x150 mm	Do not use this incomplete scaffold  PS0030 150x150 mm

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PROHIBITION SIGNS

Do not use device into water

PS0031
150x150 mm

Do not use this lift for people

PS0032
150x150 mm

Do not wear gloves

PS0033
150x150 mm

Do not tie knots in rope

PS0034
150x150 mm

Do not use for face grinding

PS0035
150x150 mm

Do not use for wet grinding

PS0036
150x150 mm

Do not use with hand-held grinding machine

PS0037
150x150 mm

Do not wear metall-studded footwear

PS0038
150x150 mm

No children allowed

PS0039
150x150 mm

Hot works prohibited

PS0040
150x150 mm

Do not set off fireworks

PS0041
150x150 mm

No leaning against

PS0042
150x150 mm

Not for pregnant women

PS0043
150x150 mm

Not for people in state of intoxication

PS0044
150x150 mm

Use of smart glasses prohibited

PS0045
150x150 mm

No running

PS0046
150x150 mm

No swimming

PS0047
150x150 mm

No snorkelling

PS0048
150x150 mm




















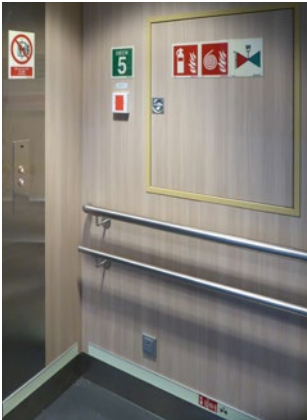





No diving

PS0049
150x150 mm

No outdoor footwear

PS0050
150x150 mm

PROHIBITION SIGNS

No jumping into water  PS0051 150x150 mm	No pushing into water  PS0052 150x150 mm	Do not expose to direct sunlight or hot surface  PS0053 150x150 mm	Not to be serviced by users  PS0054 150x150 mm
Do not put finger into the nozzle  PS0055 150x150 mm	Do not cross barrier  PS0056 150x150 mm	No jumping down  PS0057 150x150 mm	
Do not ride with people  PS0201 150x150 mm	Do not flash  PS0202 150x150 mm	Do not touch, device under voltage  PS0203 150x150 mm	No smoking articles  PS0204 150x150 mm
No ties  PS0205 150x150 mm	No jewelry  PS0206 150x150 mm	Do not unplug  PS0207 150x150 mm	No bicycles  PS0208 150x150 mm
Do not park  PS0209 150x150 mm	No drugs and alcohol  PS0210 150x150 mm	No work clothes  PS0211 150x150 mm	Wearing of helm prohibited  PS0212 150x150 mm
	No weapons  PS0213 150x150 mm ISSA 4752419 IMPA 332419	Do not open the valve of gas cylinder  PS0214 150x150 mm	No smoking and/or vaping  PS0215 150x150 mm
	Do not use lift in case of fire  PS2001 150x200 mm	Do not use this lift for people  PS2002 150x200 mm	

MATERIAL SPECIFICATIONS & AVAILABLE SIZES

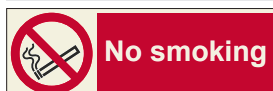
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PROHIBITION SIGNS

No smoking

PS5001
300x100 mm

Switch off mobile devices

PS5002
300x100 mm

No smoking in bed

PS5003
300x100 mm

Do not drink

PS5004
300x100 mm

Discharge of oil prohibited

PS5005
300x100 mm

Restricted area

PS5006
300x100 mm

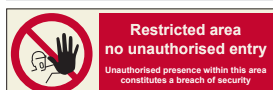
Restricted area

PS5007
300x100 mmISSA 4756300
IMPA 336300

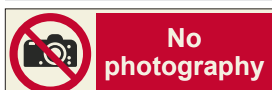
No entry please wait

PS5008
300x100 mm

Restricted area

PS5009
300x100 mmISPS027
IMPA 338690

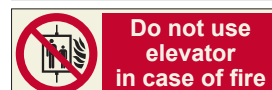
No photography

PS5010
300x100 mm

Microwave oven

PS5011
300x100 mmISSA 4758618
IMPA 338618

Do not use elevator...

PS5012
300x100 mm

Smoking forbidden

PS5013
300x100 mmISSA 4758531
IMPA 338531

No smoking area

PS5014
300x100 mmISSA 4758532
IMPA 338532

No smoking beyond this point

PS5015
300x100 mmISSA 4758533
IMPA 338533

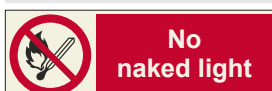
No smoking in elevator

PS5016
300x100 mmISSA 4758575
IMPA 338575

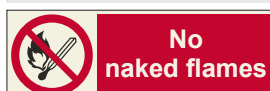
No matches

PS5017
300x100 mmISSA 4758534
IMPA 338534

No naked light

PS5018
300x100 mmISSA 4758536
IMPA 338536

No naked flames

PS5019
300x100 mmISSA 4758537
IMPA 338537

No hot work

PS5020
300x100 mmISSA 4758539
IMPA 338539

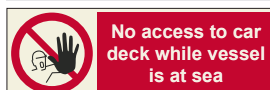
No entry

PS5021
300x100 mmISSA 4758540
IMPA 338540

Crew only

PS5022
300x100 mm

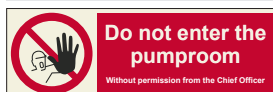
No access to car

PS5023
300x100 mmISSA 4758541
IMPA 338541

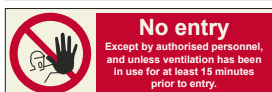
Do not enter

PS5024
300x100 mmISSA 4758542
IMPA 338542

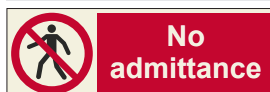
Do not enter pumproom

PS5025
300x100 mmISSA 4758546
IMPA 338546

No entry...

PS5026
300x100 mmISSA 4758547
IMPA 338547

No admittance

PS5027
300x100 mmISSA 4758549
IMPA 338549

No access

PS5028
300x100 mmISSA 4758557
IMPA 338557

PROHIBITION SIGNS

Authorised personnel only Authorised personnel only PS5029 ISSA 4758545 300x100 mm IMPA 338545	No entry unauth. pers No entry to unauthorised personnel PS5030 ISSA 4758544 300x100 mm IMPA 338544	Restricted area... Restricted area authorised persons only <small>Unauthorized presence within this area constitutes a breach of security</small> PS5031 ISSA 4758691 300x100 mm IMPA 338691	Restricted area... Restricted area Exclusion area PS5033 300x100 mm
Restricted area... Restricted area Controlled area PS5034 300x100 mm	Restricted area... Restricted area Limited area PS5035 300x100 mm	Do not touch Do not touch PS5036 ISSA 4758548 300x100 mm IMPA 338548	Do not drink Do not drink PS5037 ISSA 4758550 300x100 mm IMPA 338550
Do not operate Do not operate PS5038 ISSA 4758553 300x100 mm IMPA 338553	No workwear beyond this point No workwear beyond this point PS5039 ISSA 4758574 300x100 mm IMPA 338574	Unauth. persons may not... Unauthorised persons may not service machines PS5040 ISSA 4758555 300x100 mm IMPA 338555	Do not carry out main... Do not carry out maintenance work on running machinery PS5041 ISSA 4758556 300x100 mm IMPA 338556
Do not extinguish with water Do not extinguish with water PS5042 ISSA 4758563 300x100 mm IMPA 338563	Do not switch on Do not switch on PS5043 ISSA 4758552 300x100 mm IMPA 338552	Do not switch off Do not switch off PS5044 ISSA 4758551 300x100 mm IMPA 338551	Do not touch, men working Do not touch Men working PS5045 ISSA 4758564 300x100 mm IMPA 338564
No exit No exit PS5046 ISSA 4758543 300x100 mm IMPA 338543	Keep out Keep out PS5047 ISSA 4758559 300x100 mm IMPA 338559	Do not open Do not open PS5048 ISSA 4758560 300x100 mm IMPA 338560	Do not close Do not close PS5049 ISSA 4758561 300x100 mm IMPA 338561
Do not watch the arc Do not watch the arc PS5050 ISSA 4758565 300x100 mm IMPA 338565	Do not throw garbage Do not throw garbage overboard <small>This vessel operates in a special area designated by international Maritime Law</small> PS5051 ISSA 4758567 300x100 mm IMPA 338567	Do not remove guards Do not remove guards PS5052 ISSA 4758568 300x100 mm IMPA 338568	Do not use unless... Do not use unless guards are in position PS5053 ISSA 4758569 300x100 mm IMPA 338569
No smoking, drinking or eating No smoking, drinking or eating within this area PS5054 ISSA 4758566 300x100 mm IMPA 338566	Do not pull handle Do not pull handle, door opens automatically PS5055 300x100 mm		

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- Retro-Reflective
- Aluminum light
- PVC
- Transparant Vinyl
- White, self-adhesive vinyl (non-reflective)

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PROHIBITION SIGNS

Drain opening do not cover/obstruct



PS5101
600x240 mm

Text drain opening do not cover/obstruct



PS5102
600x240 mm

No foreign articles into toilet



PS6001
150x200 mm

No foreign articles into sea



PS6002
150x200 mm

Do not smoke in bed



PS6003
150x200 mm

Do not drink



PS6004
150x200 mm

No smoking



PS6005
150x200 mm

No mobile phones



PS6006
150x200 mm

No access, crew only



PS6007
150x200 mm

Crew only



PS6008
150x200 mm

Do not use elevator



PS 6050
150x150 mm

ALL SYMBOLS ARE AVAILABLE WITH ADDITIONAL TEXT



MANDATORY SIGNS

General mandatory  MS0001 150x150 mm ISSA 4755641 IMPA 335641	Refer to instruction manual  MS0002 150x150 mm	Wear ear protection  MS0003 150x150 mm ISSA 4755648 IMPA 335648	Wear eye protection  MS0004 150x150 mm ISSA 4755644 IMPA 335644
Wear head protection  MS0005 150x150 mm ISSA 4755642 IMPA 335642	Wear safety footwear  MS0006 150x150 mm ISSA 4755650 IMPA 335650	Wear protective gloves  MS0007 150x150 mm ISSA 4755649 IMPA 335649	Wear respiratory protection  MS0008 150x150 mm ISSA 4755647 IMPA 335647
Wear face shield  MS0009 150x150 mm ISSA 4755645 IMPA 335645	Wear protective clothing  MS0010 150x150 mm ISSA 4755651 IMPA 335651	Wear mask  MS0011 150x150 mm	Opaque eye protection must be worn  MS0012 150x150 mm
Wear safety harness  MS0013 150x150 mm ISSA 4755652 IMPA 335652	Wear high-visibility clothing  MS0014 150x150 mm	Wear welding mask  MS0015 150x150 mm	Wear anti-static footwear  MS0016 150x150 mm
Use self-contained breathing appliance  MS0017 150x150 mm	Connect an earth terminal  MS0018 150x150 mm	Disconnect mains plug from electrical outlet  MS0019 150x150 mm	Wash your hands  MS0020 150x150 mm
Use handrail  MS0021 150x150 mm	Use barrier cream  MS0022 150x150 mm	Use footbridge  MS0023 150x150 mm	Disconnect before maintenance or repair  MS0024 150x150 mm
Wear safety belt  MS0025 150x150 mm ISSA 4755100 IMPA 335100	Use litter bin  MS0026 150x150 mm	Use gas detector  MS0027 150x150 mm	Use this walkway  MS0028 150x150 mm

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MANDATORY SIGNS

Protect infant's eyes with opaque eye protection



MS0029
150x150 mm

Use protective apron



MS0030
150x150 mm

Check guard



MS0031
150x150 mm

Keep locked



MS0032
150x150 mm

Sound horn



MS0033
150x150 mm

Use table saw adjustable guard



MS0034
150x150 mm

Secure gas cylinders



MS0035
150x150 mm

Wear protective roller sport equipment



MS0036
150x150 mm

Close and secure hatches in launch sequence



MS0037
150x150 mm
ISSA 4755101
IMPA 335101

Start engine in launch sequence



MS0038
150x150 mm
ISSA 4755102
IMPA 335102

Lower lifeboat to water in launch sequence



MS0039
150x150 mm
ISSA 4755103
IMPA 335103

Lower liferaft to water in launch sequence



MS0040
150x150 mm
ISSA 4755104
IMPA 335104

Lower rescue boat to water in launch sequence



MS0041
150x150 mm
ISSA 4755105
IMPA 335105

Release falls in launch sequence



MS0042
150x150 mm
ISSA 4755106
IMPA 335106

Start water spray in launch sequence



MS0043
150x150 mm
ISSA 4755107
IMPA 33510

Release lifeboat gripes in launch sequence



MS0044
150x150 mm
ISSA 4755109
IMPA 335109

Start air supply in launch sequence



MS0045
150x150 mm
ISSA 4755108
IMPA 335108

Wear personal flotation device



MS0046
150x150 mm

Keep under supervision in aquatic environment



MS0047
150x150 mm

Wear laboratory coat



MS0048
150x150 mm

Ensure continuous ventilation



MS0049
150x150 mm

Ventilate before and during entering



MS0050
150x150 mm

Entry only with supervisor outside



MS0051
150x150 mm



MANDATORY SIGNS

Wear full size safety goggles  MS0201 150x150 mm	Wear safety cap  MS0202 150x150 mm	Wear protective cap  MS0203 150x150 mm	Wear protective hairnet  MS0204 150x150 mm
Wear protective beardnet  MS0205 150x150 mm	Wear shoe covers  MS0206 150x150 mm	Wear safety helmet and faceshield  MS0209 150x150 mm	Use handrail right  MS0210 150x150 mm
Wear double ear protection  MS0212 150x150 mm	Keep escape breathing device with you  MS0213 150x150 mm	Keep tools lined up  MS0214 150x150 mm	Keep flashlight with you  MS0215 150x150 mm
Wear lifejacket  MS2001 150x200 mm Wear lifejacket	Wear goggles  MS2002 150x200 mm ISSA 4755715 IMPA 335715 Wear goggles	Wear mask  MS2003 150x200 mm ISSA 4755719 IMPA 335719 Wear mask	Wear ear protection  MS2004 150x200 mm ISSA 4755722 IMPA 335722 Wear ear protection
Wear gloves  MS2005 150x200 mm ISSA 4755724 IMPA 335724 Wear gloves	Wear protective clothing  MS2006 150x200 mm ISSA 4755726 IMPA 335726 Wear protective clothing	Wear helmet  MS2007 150x200 mm ISSA 4755709 IMPA 335709 Wear helmet	Hand wash only  MS2008 150x200 mm ISSA 4755737 IMPA 335737 Hand wash only
Head protection  MS2009 150x200 mm ISSA 4755710 IMPA 335710 Head protection must be worn	Safety helmet area  MS2010 150x200 mm ISSA 4755733 IMPA 335733 This is a safety helmet area	High visibility clothing must be worn  MS2011 150x200 mm ISSA 4755782 IMPA 335782 High visibility clothing must be worn in this area	Hair covering  MS2012 150x200 mm ISSA 4755736 IMPA 335736 Hair covering must be worn

MATERIAL SPECIFICATIONS & AVAILABLE SIZES

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- Retro-Reflective
- Aluminum light
- PVC
- Transparent Vinyl
- White, self-adhesive vinyl (non-reflective)

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MANDATORY SIGNS

Eye protection



MS2013
150x200 mm
ISSA 4755712
IMPA 335712

Eye protection in this area



MS2014
150x200 mm
ISSA 4755734
IMPA 335734

Eye protection is provided and must be worn



MS2015
150x200 mm
ISSA 4755730
IMPA 335730

Wear face shield



MS2016
150x200 mm
ISSA 4755716
IMPA 335716

Wear welding protection



MS2017
150x200 mm
ISSA 4755735
IMPA 335735

Face protection in area



MS2018
150x200 mm
ISSA 4755732
IMPA 335732

Wear mask



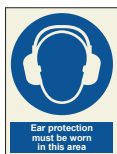
MS2019
150x200 mm
ISSA 4755719
IMPA 335719

Wear respirator



MS2020
150x200 mm
ISSA 4755731
IMPA 335731

Ear protection in area



MS2021
150x200 mm
ISSA 4755721
IMPA 335721

Ear protection



MS2022
150x200 mm
ISSA 4755723
IMPA 335723

Boots must be worn



MS2023
150x200 mm
ISSA 4755725
IMPA 335725

Now wash your hands



MS2024
150x200 mm
ISSA 4755728
IMPA 335728

Guards in position



MS2025
150x200 mm
ISSA 4755729
IMPA 335729

Lifejackets must be worn



MS2026
150x200 mm
ISSA 4755742
IMPA 335742

Lift correctly



MS2028
150x200 mm
ISSA 4755727
IMPA 335727

Keep fire door free



MS2029
150x200 mm

Keep fire door closed and free



MS2030
150x200 mm

Keep closed at sea



MS2031
150x150 mm

Keep locked



MS2032
150x200 mm

Ensure continuous ventilation



MS2033
150x200 mm

Ventilate before and during entering



MS2034
150x200 mm

Entry only with supervisor outside



MS2035
150x200 mm

Secure hatches



MS2051
150x150 mm

Lower rescue boat



MS2052
150x150 mm

Lower liferaft



MS2053
150x150 mm

Lower lifeboat



MS2054
150x150 mm

Release falls



MS2055
150x150 mm

MANDATORY SIGNS

Watermist protected area



MS2401
150x200 mm

Hi-Fog protected area



MS2402
150x200 mm

CO₂ protected area



MS2403
150x200 mm
ISSA 4755876
IMPA 335876

Novec 1230 protected area



MS2404
150x200 mm

STAT-X protected area



MS2405
150x200 mm

Sprinkler protected area



MS2406
150x200 mm

Adjust pressure



MS2501
150x200 mm
ISSA 4755874
IMPA 335874

Secure painter



MS2502
150x200 mm
ISSA 4755875
IMPA 335875

Keep shut



MS2503
150x200 mm
ISSA 4755871
IMPA 335871

Keep clear



MS2504
150x200 mm
ISSA 4755870
IMPA 335870

Utensil wash only



MS2505
150x200 mm
ISSA 4755738
IMPA 335738

Door must be kept closed



MS2506
150x200 mm
ISSA 4755872
IMPA 335872

Crew only



MS2507
150x200 mm

Cover all cuts and abrasions



MS2508
150x200 mm
ISSA 4755739
IMPA 335739

Clean up all spillages



MS2509
150x200 mm
ISSA 4755740
IMPA 335740

Please close door quietly



MS2510
150x200 mm
ISSA 4755877
IMPA 335877

People sleeping



MS2511
150x200 mm
ISSA 4755878
IMPA 335878

Food waste only



MS5001 ISSA 4755691
300x100 mm IMPA 335691

No plastic / food waste



MS5002 ISSA 4755692
300x100 mm IMPA 335692

Plastic only



MS5003 ISSA 4755690
300x100 mm IMPA 335690

Think safety



MS5004 ISSA 4755675
300x100 mm IMPA 335675

Accidents must be reported



MS5005 ISSA 4755851
300x100 mm IMPA 335851

Wear protective clothes



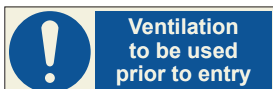
MS5006 ISSA 4755677
300x100 mm IMPA 335677

Oil spill equipment



MS5007
300x100 mm

Ventilation to be used



MS5008 ISSA 4755852
300x100 mm IMPA 335852

Incineration only



MS5009 ISSA 4755693
300x100 mm IMPA 335693

Emergency exit keep clear



MS5010 ISSA 4755830
300x100 mm IMPA 335830

MANDATORY SIGNS

Man overboard procedures



MS6001
150x200 mm
ISSA 4755902
IMPA 335902

All visitors please report to:



MS6002 ISSA 4755855
300x100 mm IMPA 335855

Keep this door locked



MS6003 ISSA 4755825
300x100 mm IMPA 335825

Keep this door locked



MS6004
300x100 mm

Rescue boat launching



MS6011 ISSA 4755110
200x150 mm IMPA 335110

Liferaft launching



MS6012 ISSA 475111
200x150 mm IMPA 335111

Lifeboat launching



MS6013 ISSA 4755112
200x150 mm IMPA 335112

Individual PPE must be worn



MS6021
600x400 mm

Automatic watertight door



MS7001
150x150 mm

Watertight door keep shut



MS7002
150x150 mm
ISSA 4755819
IMPA 335819

Hatch must be kept closed



MS7003
150x150 mm
ISSA 4755817
IMPA 335817

Door must be kept closed



MS7004
150x150 mm
ISSA 4755818
IMPA 335818

Automatic fire door



MS7005
150x150 mm
ISSA 4755808
IMPA 335808

Close in event of fire



MS7006
150x150 mm
ISSA 4755805
IMPA 335805

Emergency door keep clear



MS7008
150x150 mm

Escape hatch keep clear



MS7009
150x150 mm

Escape door keep clear



MS7010
150x150 mm

Keep clear, emergency exit



MS7011
150x150 mm
ISSA 4755800
IMPA 335800

Fire door keep closed



MS7013
150x150 mm
ISSA 4755814
IMPA 335814

Door to be kept locked...



MS7014
150x150 mm
ISSA 4755805
IMPA 335805

Door must be kept closed



MS7015
150x150 mm
ISSA 4755801
IMPA 335801

Close this door at night



MS7016
150x150 mm
ISSA 4753803
IMPA 335803

Gangway keep clear



MS7017
150x150 mm
ISSA 4755812
IMPA 335812

Keep clear



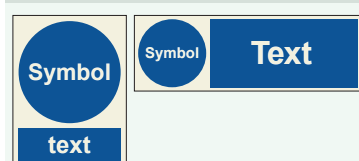
MS7018
150x150 mm

Push button to open door



MS8001
450x150 mm

ALL SYMBOLS ARE AVAILABLE WITH ADDITIONAL TEXT



MATERIAL SPECIFICATIONS & AVAILABLE SIZES

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- Transparent Vinyl
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MULTIPLE SIGNS

HVAC Room



MU0001 190x120 mm
380x240 mm

IT Room



MU0002 190x120 mm
380x240 mm

Back-up navigation



MU0003 190x120 mm
380x240 mm

Galley



MU0004 250x120 mm
500x240 mm

Steering gear room



MU0005 130x120 mm
260x240 mm

Steering gear room PS



MU0006 250x140 mm
500x280 mm

Steering gear room SB



MU0007 250x140 mm
500x280 mm

Bow thruster room



MU0008 250x120 mm
500x240 mm

Casing



MU0009 190x140 mm
380x280 mm

Casing



MU0010 250x140 mm
500x280 mm

Battery room



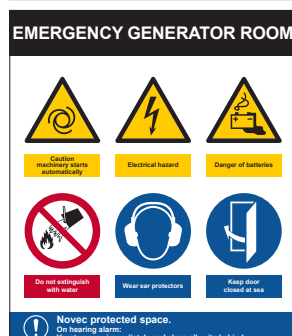
MU0012 190x200 mm
380x400 mm

Emergency battery box



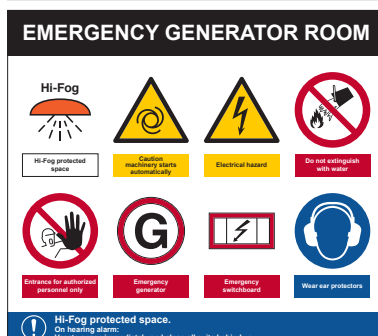
MU0013 190x200 mm
380x400 mm

Emergency generator room



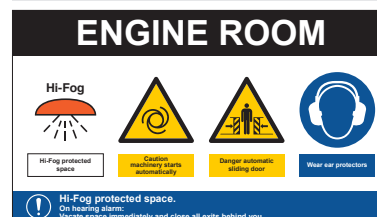
MU0014 190x220 mm
380x440 mm

Emergency generator room



MU0015 250x220 mm
500x440 mm

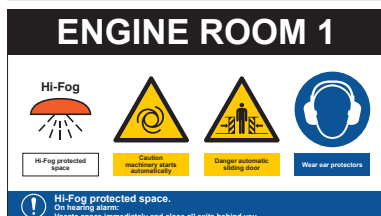
Engine room



MU0016 250x140 mm
500x280 mm

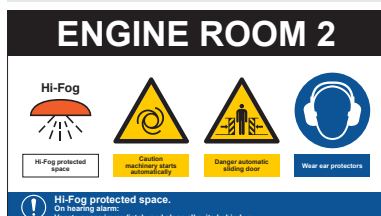
MULTIPLE SIGNS

Engine room 1



MU0017 250x140 mm
500x280 mm

Engine room 2



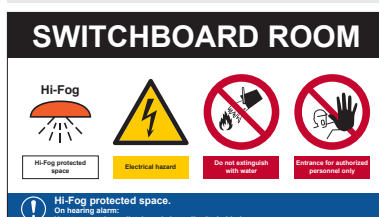
MU0018 250x140 mm
500x280 mm

Engine control room



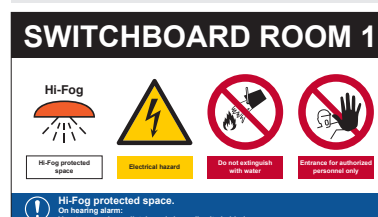
MU0019 250x140 mm
500x280 mm

Switchboard room



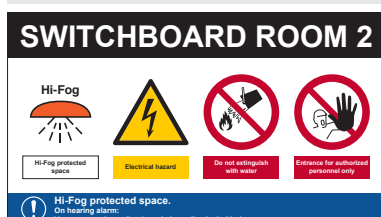
MU0020 250x140 mm
500x280 mm

Switchboard room 1



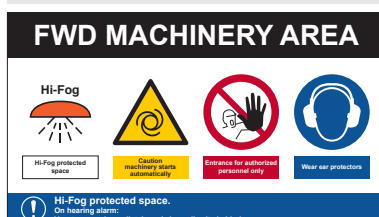
MU0021 250x140 mm
500x280 mm

Switchboard room 2



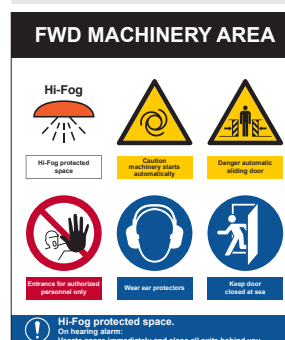
MU0022 250x140 mm
500x280 mm

FWD Machinery area



MU0023 250x140 mm
500x280 mm

FWD Machinery area



MU0024 190x220 mm
380x440 mm

FWD Machinery area



MU0025 130x300 mm
260x600 mm

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- Retro-Reflective

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MULTIPLE SIGNS

ER Fan room



MU0026 190x240 mm
380x280 mm

ER 1 Fan room



MU0027 190x240 mm
380x280 mm

ER 2 Fan room



MU0028 190x240 mm
380x280 mm

Stabilizer room PS



MU0029 250x140 mm
500x280 mm

Stabilizer room SB



MU0030 250x140 mm
500x280 mm

SL. Tank room PS



MU0031 250x140 mm
500x280 mm

SL. Tank room SB



MU0032 250x140 mm
500x280 mm

Pump room



MU0033 250x120 mm
500x240 mm

Pump room



MU0034 130x200 mm
260x400 mm

Treatment room



MU0035 190x240 mm
380x280 mm

Hydraulic room



MU0036 250x140 mm
500x280 mm

Converter room



MU0037 250x120 mm
500x240 mm

Bunkering



MU0038 190x120 mm
380x240 mm

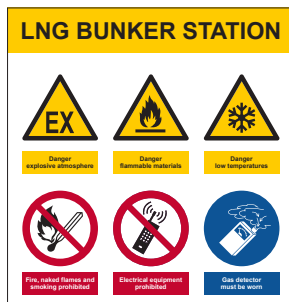
Bunker station



MU0039 250x120 mm
500x240 mm

MULTIPLE SIGNS

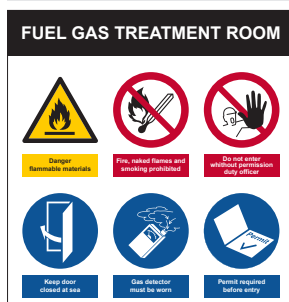
LNG Bunker station



MU0040 190x200 mm
380x400 mm



Fuel gas treatment room



MU0041 190x200 mm
380x400 mm

Nitrogen room



MU0042 190x200 mm
380x400 mm

Deck store



MU0044 130x120 mm
260x240 mm

Paint store



MU0045 190x220 mm
380x440 mm

Oil & chemical store



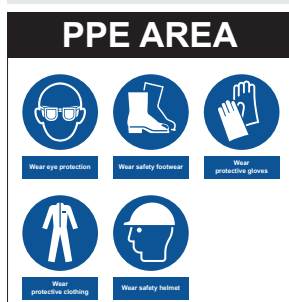
MU0046 190x200 mm
380x400 mm

Chemical & paint store



MU0047 190x220 mm
380x440 mm

PPE area



MU0048 190x200 mm
380x400 mm

Machinery workshop



MU0049 250x120 mm
500x240 mm

Confined space



MU0050 190x120 mm
380x240 mm

MATERIAL SPECIFICATIONS & AVAILABLE SIZES

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BOAT LANDING ACCESS



Access to sea



No unauthorized
access



Wear lifejacket



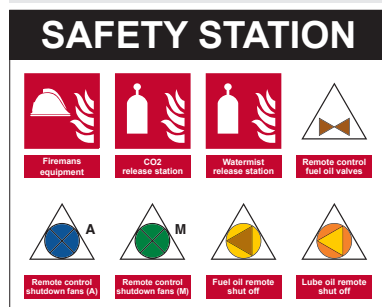
Keep swing gate
closed

S.K24942.RAR.5

BLOMSEA

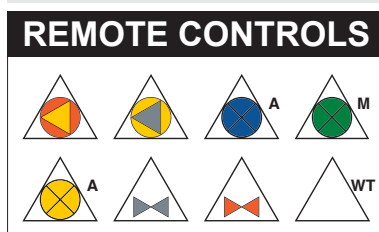
MULTIPLE SIGNS

Safety station



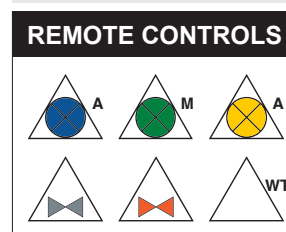
MU0051 250x200 mm
500x400 mm

Remote controls



MU0052 250x150 mm
500x300 mm

Remote controls



MU0053 190x150 mm
380x300 mm

Valve center



MU0054 190x120 mm
380x240 mm

Helideck



MU0055 350x525 mm

Report to bridge



MU0056 190x240 mm
380x280 mm



MULTIPLE SIGNS

WT door



MU2001
300x200 mm

Remove bottles



MU5001
300x200 mm

ISSA 4753100
IMPA 333100

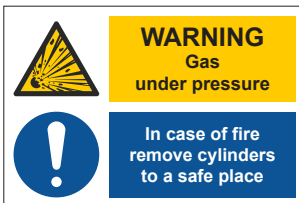
Close oxy/acetylene



MU5002
300x200 mm

ISSA 4753101
IMPA 333101

Remove gas cylinders



MU5003
300x200 mm

ISSA 4753102
IMPA 333102

Use ventilation



MU5004
300x200 mm

ISSA 4753103
IMPA 333103

Radar, satcom and radio-equipment



MU5005
300x200 mm

ISSA 4753109
IMPA 333109

Danger keep out



MU5006
300x200 mm

ISSA 4753112
IMPA 333112

Danger steep ladder



MU5007
300x200 mm

ISSA 4753116
IMPA 333116

Danger explosion risk



MU5101
300x200 mm

Caution battery compartment



MU5102
300x200 mm

Danger confined space



MU5103
300x200 mm

ISSA 4753110
IMPA 333110

Danger hazardous area



MU5104
300x200 mm

ISSA 4753114
IMPA 333114

Do not throw garbage overboard



MU5105
300x200 mm

ISSA 4753115
IMPA 333115

No open lights No smoking



MU5106
300x200 mm

ISSA 4758522
IMPA 338522

Petroleum spirit highly flammable



MU5107
300x200 mm

ISSA 4753105
IMPA 333105

MULTIPLE SIGNS

Danger gas



MU5108
300x200 mm

ISSA 4753104
IMPA 333104

Danger petroleum spirit highly flam



MU5109
300x200 mm

Warning crude oil



MU5110
300x200 mm

ISSA 4753106
IMPA 333106

Danger asbestos



MU5112
300x200 mm

ISSA 4753113
IMPA 333113



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MULTIPLE SIGNS

Refrigerated space



MU9001 ISSA 4753122
300x300 mm IMPA 333122

Gas bottle store



MU9002 ISSA 4753125
300x300 mm IMPA 333125

Fridge machinery



MU9003 ISSA 4753129
300x300 mm IMPA 333119

Battery locker



MU9004 ISSA 4753123
300x300 mm IMPA 333123

Paint store



MU9005 ISSA 4753126
300x300 mm IMPA 333126

Emergency generator



MU9006 ISSA 4753135
300x300 mm IMPA 333135

Galley



MU9007 ISSA 4753124
300x300 mm IMPA 333124

Switch gear



MU9008 ISSA 4753127
300x300 mm IMPA 333127

Steering gear



MU9009 ISSA 4753136
300x300 mm IMPA 333136

Machinery space



MU9010 ISSA 4753111
300x300 mm IMPA 333111

Machinery space



MU9011 ISSA 4753111
300x300 mm IMPA 333111

Forecastle space



MU9012 ISSA 4753128
300x300 mm IMPA 333128

MULTIPLE SIGNS

Pump room



MU9013 ISSA 4753137
300x300 mm IMPA 333137

Chemical locker



MU9014
300x300 mm

Security notice



MU9016 ISSA 4753139
300x300 mm IMPA 333139

Security notice



MU9017 ISSA 4753138
300x400 mm IMPA 333138

Warning dangerous cargo



MU9018 ISSA 4753014
400x600 mm IMPA 333014

MATERIAL SPECIFICATIONS & AVAILABLE SIZES

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MULTIPLE SIGNS CUSTOM MADE

Whether you need a sign to combine multiple symbols with text in your own language or you simply want to create your own custom signs from scratch, the team at T-ISS has the right tools for you. Based on professionally designed templates that are made ready for you to customize, you can easily combine multiple signs and text to create a professional looking safety sign.

- Step 1. Choose your template to customize
- Step 2. Choose your symbol(s)
- Step 3. Choose your own text
- Step 4. Choose the type of material in which we need to create your sign
- Step 5. The team at T-ISS creates your custom made sign(s)

CUSTOM MADE HORIZONTAL

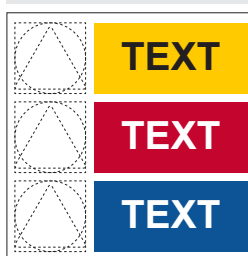
Multiple signs - Untitled

2 Multiple signs horizontal untitled



MH0102U 150x100 mm
300x200 mm

3 Multiple signs horizontal untitled



MH0302U 150x150 mm
300x300 mm

4 Multiple signs horizontal untitled



MH0104U 150x200 mm
300x400 mm

Multiple signs - Titled

2 Multiple signs horizontal titled



MH0102T 150x130 mm
300x260 mm

3 Multiple signs horizontal titled



MH0103T 150x180 mm
300x360 mm

4 Multiple signs horizontal titled



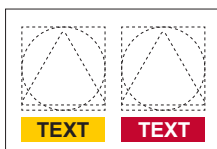
MH0104T 150x230 mm
300x460 mm

MULTIPLE SIGNS CUSTOM MADE

CUSTOM MADE VERTICAL

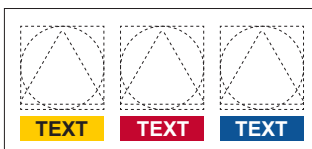
Multiple signs - Untitled

2 Multiple signs vertical untitled



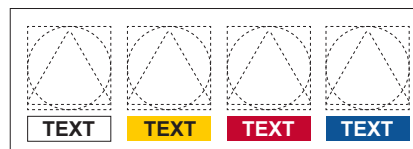
MV0201U 130x90 mm
260x180 mm

3 Multiple signs vertical untitled



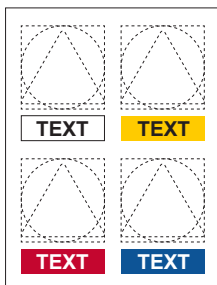
MV0301U 190x90 mm
380x180 mm

4 Multiple signs vertical untitled



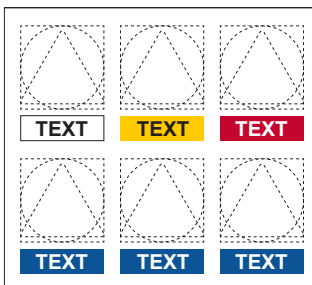
MV0401U 250x90 mm
500x180 mm

2x2 Multiple signs vertical untitled



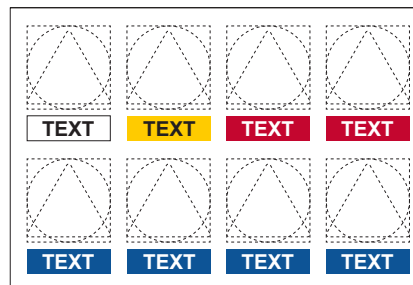
MV0202U 130x170 mm
260x340 mm

3x2 Multiple signs vertical untitled



MV0302U 190x170 mm
380x340 mm

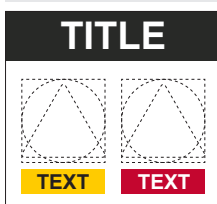
4x2 Multiple signs vertical untitled



MV0402U 250x170 mm
500x340 mm

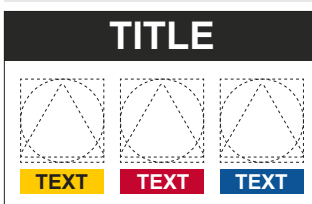
Multiple signs - Titled

2 Multiple signs vertical titled



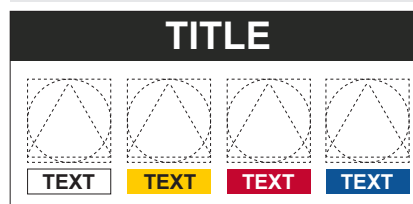
MV0201T 130x120 mm
260x240 mm

3 Multiple signs vertical titled



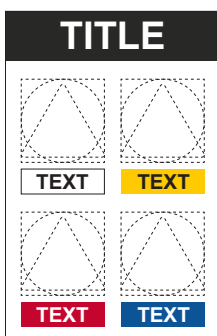
MV0301T 190x120 mm
380x240 mm

4 Multiple signs vertical titled



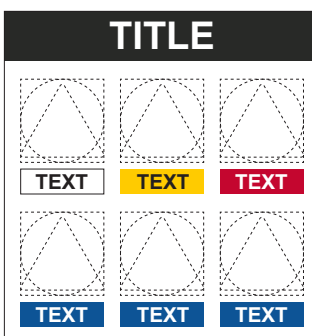
MV0401T 250x120 mm
500x240 mm

2x2 Multiple signs vertical titled



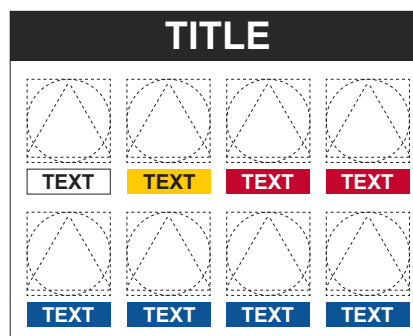
MV0202T 130x200 mm
260x400 mm

2x3 Multiple signs vertical titled



MV0302T 190x200 mm
380x400 mm

2x4 Multiple signs vertical titled



MV0402T 250x200 mm
500x400 mm

CAR DECK SIGNS

Cardriver safety EN



CD1001 800x700 mm
1600x1400 mm

Cardriver safety FR/EN/ES



CD1011 1000x800 mm
2000x1600 mm

Cardriver safety EN



CD1002
Standard size 2000x600 mm

Cardriver safety FR/EN/ES



CD1012
Standard size 2000x600 mm

OTHER LANGUAGES ON REQUEST

**ALSO AVAILABLE WITH COMPANY AND/OR
"WELCOME ON BOARD" TEXT**



CAR DECK SIGNS

Maximum width 2,5 m



CD3001
400x400 mm

Maximum width 2,8 m



CD3002
400x400 mm

Maximum width 3,1 m



CD3003
400x400 mm

Maximum width on request



CD3009
400x400 mm

Maximum height 2,2 m



CD3011
400x400 mm

Maximum height 4,8 m



CD3012
400x400 mm

Maximum height 4,9 m



CD3013
400x400 mm

Maximum height on request



CD3019
400x400 mm

Weight 45 t



CD3021
400x400 mm

Maximum weight on request



CD3029
400x400 mm

Axle weight 21 t



CD3031
400x400 mm

Max. axle weight on request



CD3039
400x400 mm

Max speed 10 km



CD3041
400x400 mm

Max speed 15 km



CD3042
400x400 mm

Ramp up



CD4001
400x400 mm

Ramp down



CD4002
400x400 mm

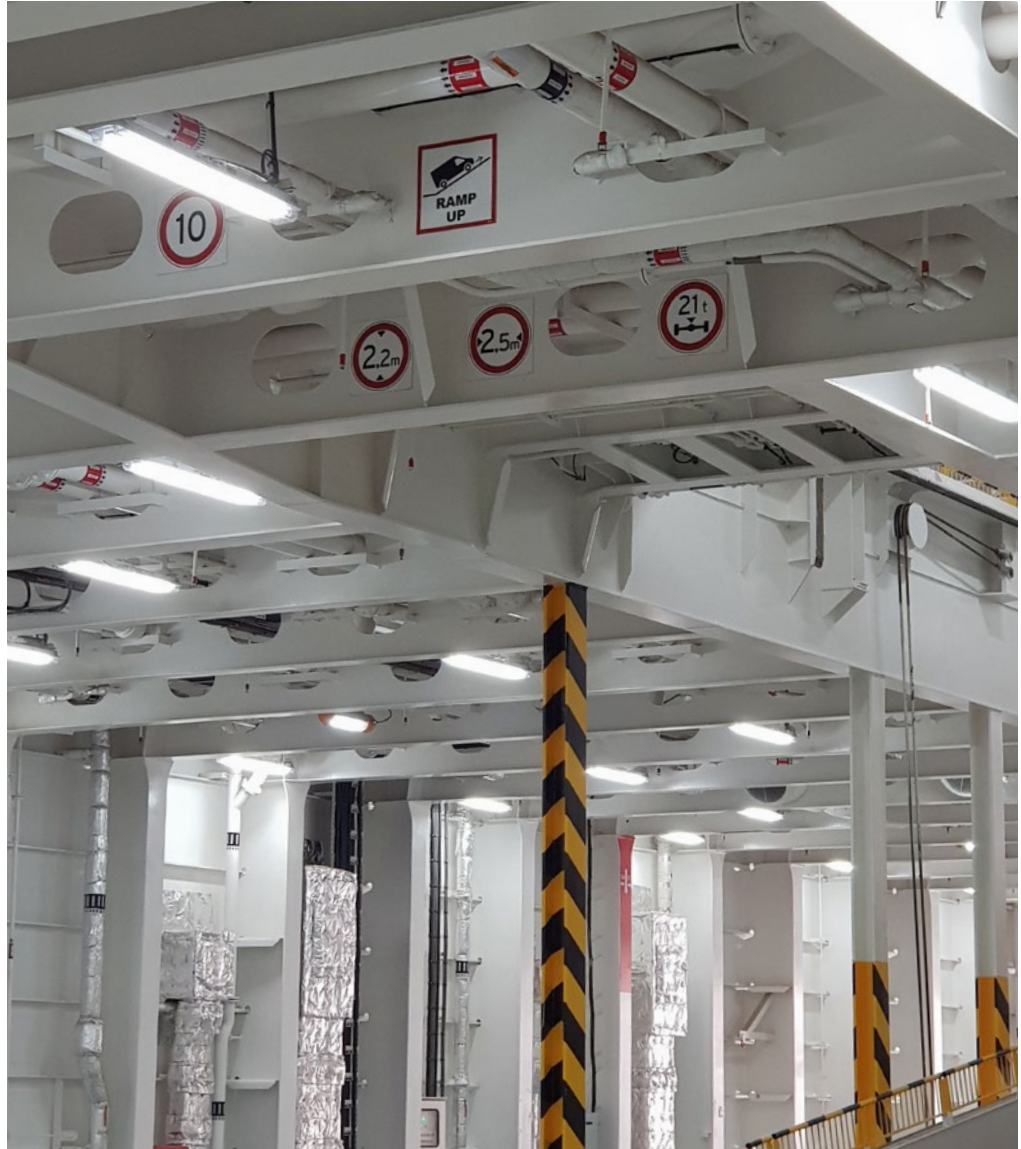
Smoking prohibited



CD4003
400x400 mm

OTHER SIZES ON REQUEST

STANDARD SIZE
400X400 MM



IMO A.752(18) requires a placard explaining the LLL system in all cabins. The basics for engineering a Safety Instruction sign comes from the ship's embarkation and rescue plan and from the ISO principles of designing an evacuation plan.

The Safety Instruction sign in a cabin displays the primary and alternative route to the designated assembly station, displayed in both plan view and sideview, emergency instructions and donning instructions for the lifejackets.

The displayed primary and alternative escape routes must be in full compliance with the signs at the LLL system and escape signs on eye height and according the ships embarkation plan.

SAFETY INSTRUCTION

Instructions for escape

Escape route signage:

- Allways and stairways in the accommodation are provided with escape route marking, allowing you to find the nearest escape route.

Primary escape route signage:

- The primary escape route is the fastest, shortest and safest escape route to the assembly station. The primary escape route is marked by the sign as shown on the right.

Alternative escape route signage:

- The alternative escape route is the fastest, shortest and safest escape route to the assembly station. The escape route is marked by the sign as shown on the right.

Lifelines and immersion suits:

- Lifelines are stored on the assembly stations on deck 6.
- Immersion suits are stored to your cabin.

ASSEMBLY STATION OVERVIEW

ASSEMBLY STATIONS LOCATED ON DECK 6

Learn to find the way to your assembly station!

DECK 10

SIDE VIEW

OVERVIEW

Alarm and Incidents Instructions

General Emergency Alarm Signal

- 7 short and 1 long blast

Fire alarm

- Continuous alarm sounding

Man overboard

- 3 long blasts followed by verbal "MAN OVERBOARD" every 15 seconds

Abandon ship alarm

- Verbal order by the master or substitute

ON HEARING THE ALARM SIGNAL

- Proceed directly to your designated assembly station.
- If you are in or near to your cabin when the signal is heard, dress warmly, collect any essential medications, and follow the direction signals to the assembly station.
- The direction signs to assembly station indicate the direction of the alarm and an arrow indicating the appropriate direction. As shown in the instructions for escape.
- Avoid these areas once told:
- Follow Instructions from master crew and those given over the public address system.
- DO NOT return to your cabin to collect your property.
- DO NOT search for others, the assembly station to the meeting point.
- DO NOT use the elevator.
- If the nearest escape route is blocked, use an alternate route.
- Remember that you have 15 minutes from the time the alarm is sounded to an exit.
- If there is a smoke in the alleyway a light sign near the floor will lead you to an exit.

Alarm: 9999

How to wear your lifejacket

- Report all incidents, accidents or potential hazards.

[illegible][illegible]

SAFETY INSTRUCTION SIGNS

SAFETY INSTRUCTIONS PUBLIC SPACE

The Safety Instructions for the public areas show where you are in relation to the assembly stations, the instructions in case of emergency and near the lifejacket storage areas, the instructions for putting on the lifejackets. This plan also shows in a plan view the positions of the lifeboats, embarkation stations and life jacket stowage areas on the respective decks.

T-ISS can provide the engineering and drawing work for the Safety Instructions fully in line with the complete escape route system, consisting of the LLL with their mini symbols, photoluminescent and electrical escape route symbols and the instructions explaining the symbols used and other relevant information.

The Safety Instructions can be designed in the company's corporate style with their logos or in a neutral ISO recommended style.

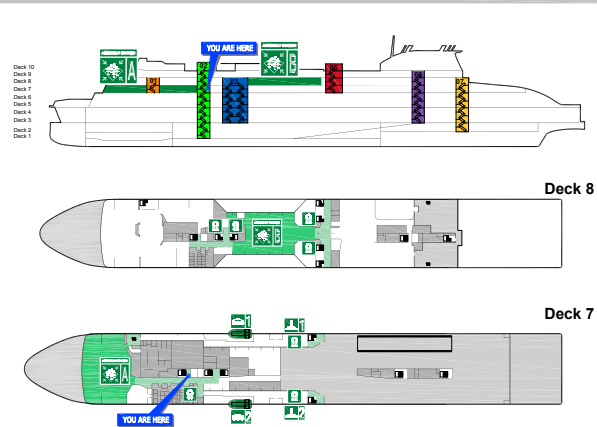
SAFETY INSTRUCTION

IF EMERGENCY ALARM SOUNDS, GO TO YOUR ASSEMBLY STATION

General alarm signal

7 shorts and 1 long blast

- On hearing the emergency alarm signal, dress warmly, collect any essential medication and follow the signs to your assembly station
- Assist those who need help
- Follow instructions of crew members and those given over the public address system
- Do not search for others in your party, the assembly station is your meeting point
- Do not use the elevators
- At the assembly station a crew member will give you a lifejacket. Put it on. The crew members will help you if necessary
- Child lifejackets are available for smaller children



Primary escape route signs to assembly station

Alternative escape route signs



Low location Lighting system

In the event of an emergency, a low level guidance system will help you. Follow the strip and it will lead to an exit. In case of smoke in the corridor keep close to the floor to avoid breathing the smoke and to be able to see more clearly.

Embarkation station lifeboat

Embarkation station for MES, Marine Evacuation System

Lifejacket



1. Don lifejacket placing yoke over head and belt around body



2. Connect buckle by pushing two parts firmly together



3. Pull securing tape as tight as possible (aided by holding onto buckle)



4. For additional security fasten the top buckle where possible



5. Tuck excess webbing behind jacket



6. Hold lifejacket and nose firmly when jumping in to the water



DISPLAYS OF SAFETY INSTRUCTIONS & SAFETY PLANS

T-ISS offers options to execute the safety instructions:

- PET-X vandalism resistant and glossy appearance
- PET-X photoluminescent, vandalism resistant and glossy appearance
- Click frames for easy changing of new revisions
- Vinyl sticker
- Other luxury options such as brushed Stainless Steel or polished brass



Click frames

Quick and easy to exchange plans for:

- Safety instructions
- Fire Control plans
- Damage control plans
- Embarkation plans
- Muster lists
- General arrangements



Article number	Dimension
CLF20S4	A4 (20 mm profile)
CLF20S3	A3 (20 mm profile)
CLF20S2	A2 (20 mm profile)
CLF32S1	A1 (32 mm profile)
CLF32S0	A0 (32 mm profile)
CLFCM	Dimensions on request (max. size 3000 x 1500 mm)



The insert prints can also be fitted in weather resistant Hydroprint, please ask for the possibilities.
In cases of limited space e.g. at the bridge or in the ECR, we request we offer the Rolalux Rolldown Casette, see t-iss.com.

ISPS SIGNS

Security level set of 3



IS0007
300x150 mm

Warning



IS1010
300x100 mm

Security level 1



IS0008 ISSA 4752703
300x150 mm IMPA 332703

Security level 2



IS0009 ISSA 4752703
300x150 mm IMPA 332703

Security level 3



IS0010 ISSA 4752703
300x150 mm IMPA 332703

All visitors please report



IS1011 ISSA 4752924
300x200 mm IMPA 332924

All visitors report to security office



IS1012 ISSA 4752824
300x200 mm IMPA 332824

Ship security office



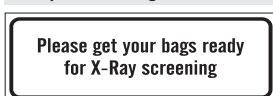
IS1013 ISSA 4752892
300x100 mm IMPA 332895

ID control



IS1014
300x100 mm

X-ray screening



IS1015
300x100 mm

Metal detector



IS1016
300x100 mm

Reception



IS1017 ISSA 4752907
300x100 mm IMPA 332907

Restricted area



IS1018
300x100 mm

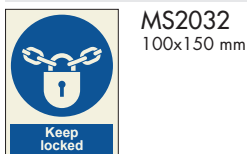
Direction arrow (90°)



Direction arrow (45°)



Keep locked



MS2032
100x150 mm

All visitors please report to



MS6002 ISSA 4755855
300x100 mm IMPA 335855

Keep this door locked



MS6003 ISSA 4755825
300x100 mm IMPA 335825

Keep this door locked

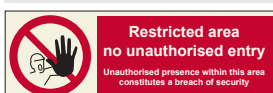


MS6004
300x100 mm

No access for unauthorized

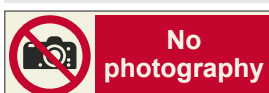


Restricted area



PS5009 ISPS027
300x100 mm IMPA 338690

No photography



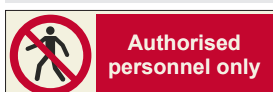
PS5010
300x100 mm

Do not enter



PS5024 ISSA 4758542
300x100 mm IMPA 338542

Authorised personnel only



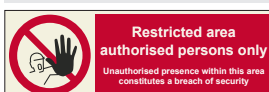
PS5029 ISSA 4758545
300x100 mm IMPA 338545

No entry unauth. pers



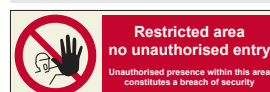
PS5030 ISSA 4758544
300x100 mm IMPA 338544

Restricted area...



PS5031 ISSA 4758691
300x100 mm IMPA 338691

Restricted area...



PS5032
300x100 mm

ISPS SIGNS

Restricted area



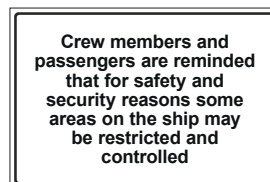
IS1040
300x200 mm

Restricted area



IS1041 ISSA 4758695
300x200 mm IMPA 338695

Crew member



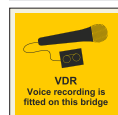
IS1042
300x200 mm

Ship complies with IMO ISPS code



IS1043
300x200 mm ISSA 4753140
900x450 mm IMPA 333140

VDR voice recording



IS3001
150x150 mm
ISSA 4752889
IMPA 332889

CCTV surveillance



IS3002
150x150 mm
ISSA 4752896
IMPA 332896

CCTV in operation



IS3003
150x150 mm
ISSA 4752974
IMPA 332974

Security notice



MU 9016 ISSA 4753139
300x300 mm IMPA 333139

Security notice



MU 9017 ISSA 4753138
300x400 mm IMPA 333138

MATERIAL SPECIFICATIONS & AVAILABLE SIZES

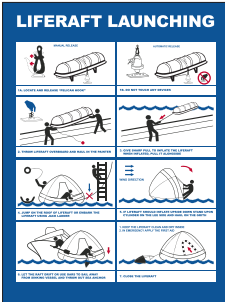
Standard size signs made of Pet-X material are all on stock and directly available. Each of the signs in this catalogue are available in multiple different types of materials:

- Pet-X (PVC-free, the environment-friendly choice)
- Retro-Reflective
- Aluminum light
- PVC
- Transparent Vinyl
- White, self-adhesive vinyl (non-reflective)

Non-standard sizes and materials other than the standard Pet-X material are available upon request. See page 26 for more information.

IMO POSTERS

Liferaft launching



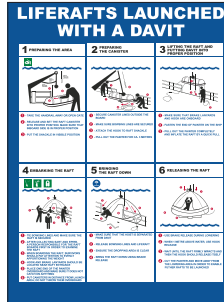
TP0001 ISSA 4751002
300x400 mm IMPA 331502

Enclosed spaces



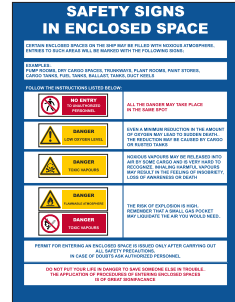
TP0003 ISSA 4751017
300x400 mm IMPA 331517

Liferaft launched with a davit



TP0004 ISSA 4751045
300x400 mm IMPA 331545

Safety signs in enclosed space



TP0005 ISSA 4751007
300x400 mm IMPA 331507

Oil spill prevention



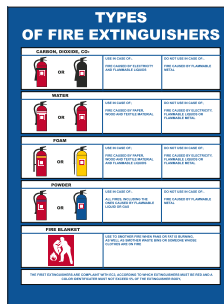
TP0006 ISSA 4751008
300x400 mm IMPA 331508

Oil spill actions



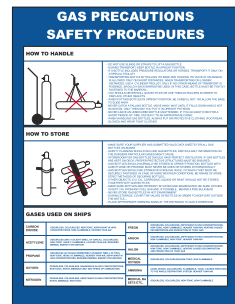
TP0007 ISSA 4751023
300x400 mm IMPA 331523

Types of fire extinguishers



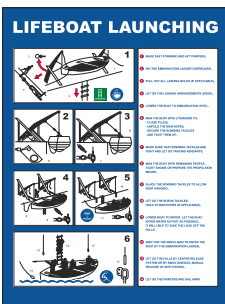
TP0008 ISSA 4751027
300x400 mm IMPA 331527

Gas precautions



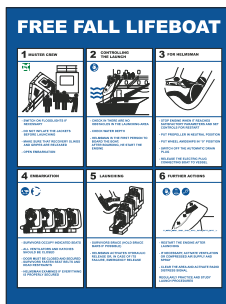
TP0009 ISSA 4751032
300x400 mm IMPA 331532

Lifeboat launching



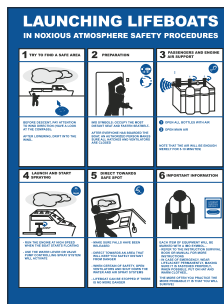
TP0010 ISSA 4751001
300x400 mm IMPA 331501

Free fall lifeboat



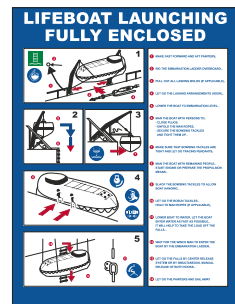
TP0011 ISSA 4751020
300x400 mm IMPA 331520

Launching lifeboats



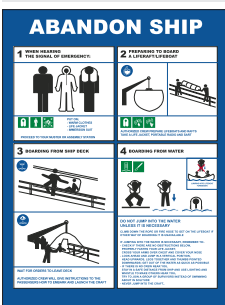
TP0012 ISSA 4751005
300x400 mm IMPA 331505

Enclosed lifeboat launching



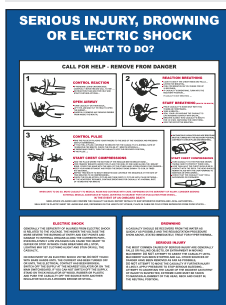
TP0013 ISSA 4751004
300x400 mm IMPA 331504

Abandon ship



TP0014 ISSA 4751016
300x400 mm IMPA 331516

Serious injury / shock



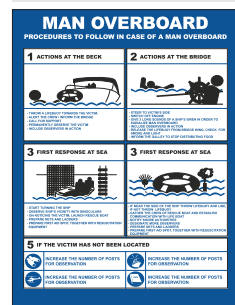
TP0015 ISSA 4751009
300x400 mm IMPA 331509

Enclosed space and tank rescue



TP0016 ISSA 4751017
300x400 mm IMPA 331517

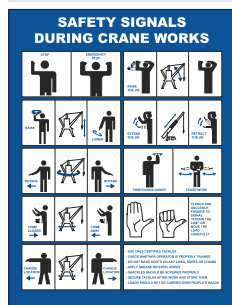
Man overboard



TP0017 ISSA 4751015
300x400 mm IMPA 331515

IMO POSTERS

Craneage safety signals



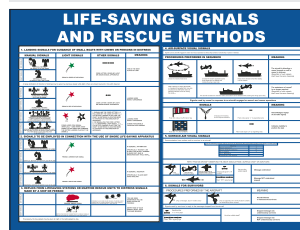
TP0018 ISSA 4751030
300x400 mm IMPA 331530

IMO safety symbols



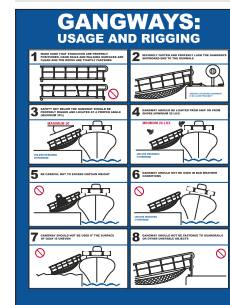
TP0019 ISSA 4751036
300x400 mm IMPA 331536

Life-saving signals and rescue...



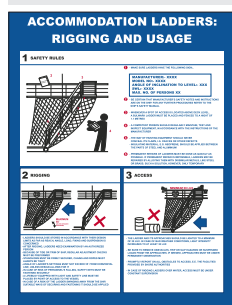
TP0020 ISSA 4751058
400x300 mm IMPA 331558

Gangways



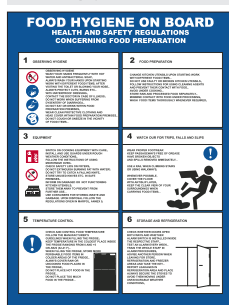
TP0021 ISSA 4751014
300x400 mm IMPA 331514

Accommodation ladders



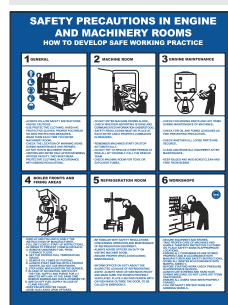
TP0022 ISSA 4751013
300x400 mm IMPA 331513

Food hygiene on board



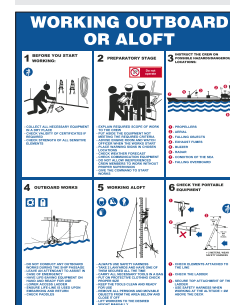
TP0023 ISSA 4751044
300x400 mm IMPA 331544

Engine and machine room safety



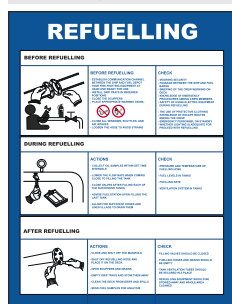
TP0024 ISSA 4751035
300x400 mm IMPA 331535

Outboard or aloft work jobs



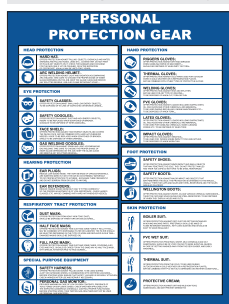
TP0025 ISSA 4751025
300x400 mm IMPA 331525

Refuelling



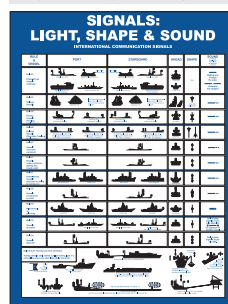
TP0026 ISSA 4751022
300x400 mm IMPA 331522

Personal protection gear



TP0027 ISSA 4751028
300x400 mm IMPA 331528

Signals; light, shape and sound



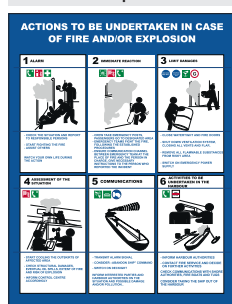
TP0028 ISSA 4751034
300x400 mm IMPA 331534

Hot work



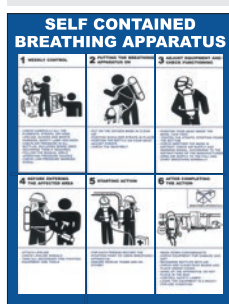
TP0029 ISSA 4751024
300x400 mm IMPA 331524

Fire and explosion vital actions



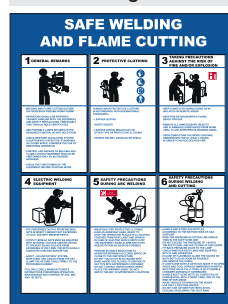
TP0030 ISSA 4751031
300x400 mm IMPA 331531

Self contained breathing app.



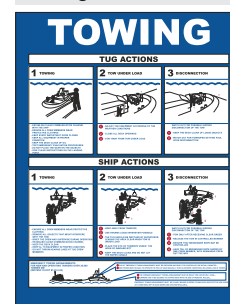
TP0031 ISSA 4751047
300x400 mm IMPA 331547

Safe welding and cutting



TP0032 ISSA 4751033
300x400 mm IMPA 331533

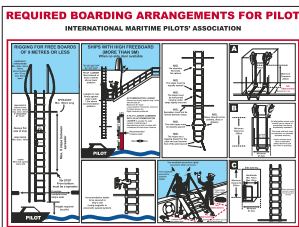
Towing



TP0033 ISSA 4751021
300x400 mm IMPA 331521

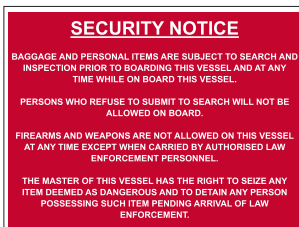
IMO POSTERS

Required boarding arrangements



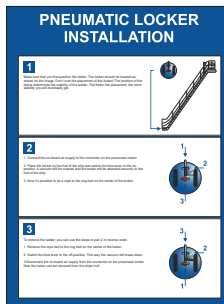
TP0052 ISSA 4751526
400x300 mm IMPA 331526

Visitors safety instructions



TP0053
400x300 mm

Pneumatic locker installation



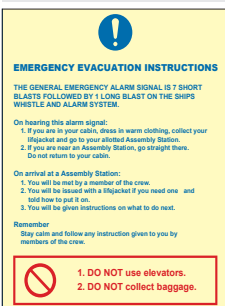
TP0054
300x400 mm

Flag chart



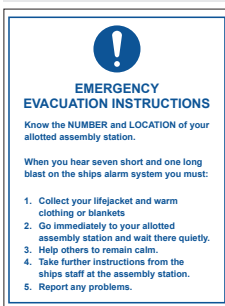
TP0057
300x400 mm

Emergency evacuation instructions



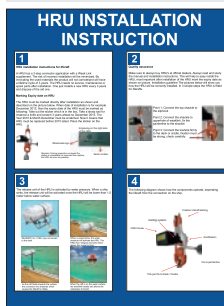
TP0058 ISSA 4755900
300x400 mm IMPA 335900

Emergency instructions passengers



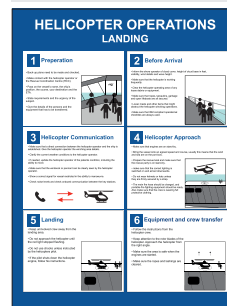
TP0059 ISSA 4755903
300x400 mm IMPA 335903

HRU installation instruction



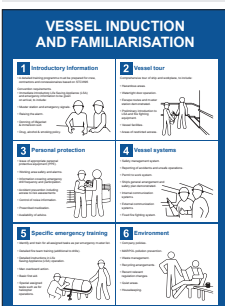
TP0060
300x400 mm

Helicopter operations landing



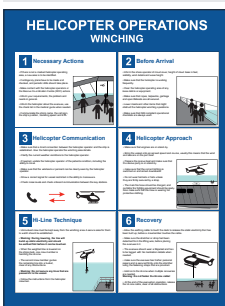
TP0061
300x400 mm

Vessel induction/familiarisation



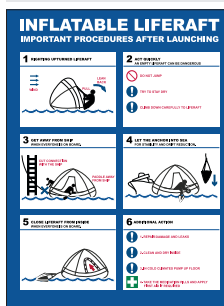
TP0062
300x400 mm

Helicopter operations winching



TP0063
300x400 mm

Inflatable liferaft procedures



TP0064
300x400 mm

Fire isolator instruction



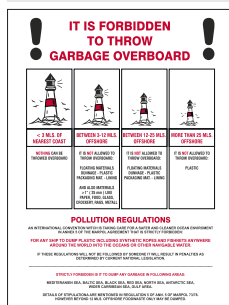
TP0065
300x400 mm

ALSO AVAILABLE UPON REQUEST:

Article number	Description	Dimensions	ISSA	IMPA
TP0002	Evacuation chute and slide	300x400 mm	4751046	331546
TP0042	Compass rose	300x400 mm	-	-
TP0047	Low location light instructions	300x400 mm	-	-
TP0055	Smoking regulation	300x400 mm	-	-
TP0056	Dead man alarm	300x400 mm	-	-

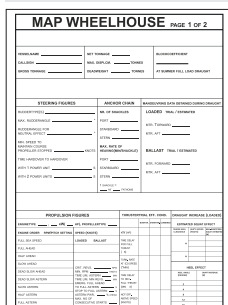
IMO POSTERS

Forbidden to throw garbage overboard



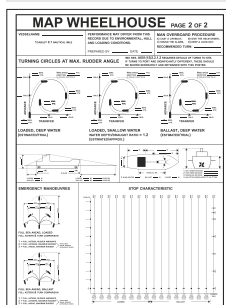
TP1001 ISSA 4751042
300x400 mm IMPA 331542

Map wheelhouse 1/2



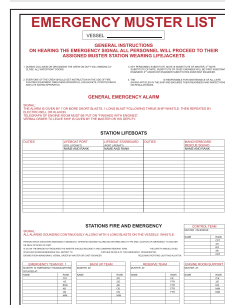
TP1002 ISSA 4751010
300x400 mm IMPA 331510

Map wheelhouse 2/2



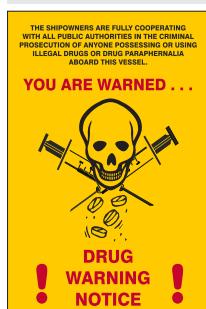
TP1003 ISSA 4751010
300x400 mm IMPA 331510

Emergency muster list



TP1004 ISSA 4751012
300x400 mm IMPA 331512

Drug warning notice



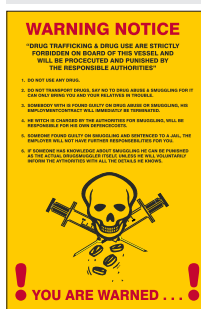
TP1005 ISSA 4751037
200x300 mm IMPA 331537

Drug and alcohol warning notice



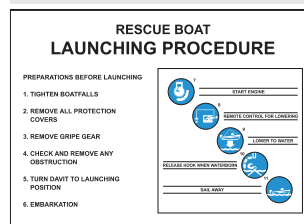
TP1006 ISSA 4751039
200x300 mm IMPA 331539

Warning notice



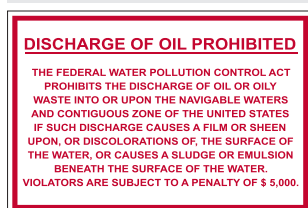
TP1007 ISSA 4751041
200x300 mm IMPA 331541

Rescue boat launching procedure



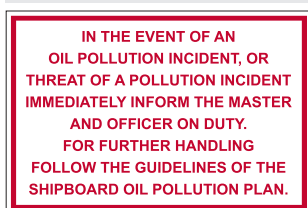
TP1008 ISSA 4751001
400x300 mm IMPA 331501

Discharge of oil prohibited



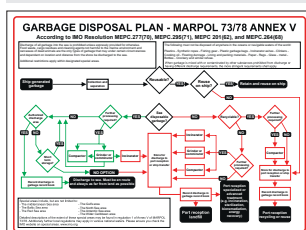
TP1009 ISSA 4751043
400x300 mm IMPA 331543

Oil pollution event



TP1010
400x300 mm

Garbage disposal plan



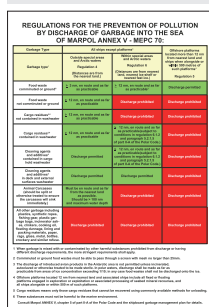
TP1011 ISSA 4751029
400x300 mm

Cutting boards



TP1012
300x400 mm

Discharge of garbage



TP1013
300x400 mm

TIE TAGS

Caution TT0001 70x150 mm ISSA 4752501 IMPA 332501	Defective equipment TT0002 70x150 mm ISSA 4752502 IMPA 332502	Asbestos TT0003 70x150 mm ISSA 4752503 IMPA 332503	Current on TT0004 70x150 mm ISSA 4752504 IMPA 332504
Harmful TT0005 70x150 mm ISSA 4752505 IMPA 332505	Irritant TT0006 70x150 mm ISSA 4752506 IMPA 332506	Corrosive TT0007 70x150 mm ISSA 4752507 IMPA 332507	Flammable TT0008 70x150 mm ISSA 4752508 IMPA 332508
Explosive TT0009 70x150 mm ISSA 4752509 IMPA 332509	Poison TT0010 70x150 mm ISSA 4752510 IMPA 332510	Gas TT0011 70x150 mm ISSA 4752541 IMPA 332541	
Do not close valve TT0012 70x150 mm ISSA 4752520 IMPA 332520	Do not open valve TT0013 70x150 mm ISSA 4752521 IMPA 332521	Do not close TT0014 70x150 mm ISSA 4752522 IMPA 332522	Do not open TT0015 70x150 mm ISSA 4752523 IMPA 332523
Do not move TT0016 70x150 mm ISSA 4752524 IMPA 332524	Do not start TT0017 70x150 mm ISSA 4752525 IMPA 332525	Do not use TT0018 70x150 mm ISSA 4752526 IMPA 332526	Do not start, men working TT0019 70x150 mm ISSA 4752527 IMPA 332527
Do not use, out of order TT0020 70x150 mm ISSA 4752528 IMPA 332528	Do not operate TT0021 70x150 mm ISSA 4752530 IMPA 332530	Do not touch TT0022 70x150 mm ISSA 4752531 IMPA 332531	

GENERAL INFORMATION

**THE TIE TAGS ARE DELIVERED IN PACKS OF 10 PCS
THE STANDARD SIZE IS 70 X 150 MM**

PUBLIC INFORMATION SIGNS

Toilets female



PI0001
150x150 mm
ISSA 4752409
IMPA 332409

Toilets male



PI0002
150x150 mm
ISSA 4752410
IMPA 332410

Toilets unisex



PI0003
150x150 mm
ISSA 4752408
IMPA 332408

Toilets - disabled / full accessible



PI0004
150x150 mm
ISSA 4752401
IMPA 332401

Reception or check-in



PI0005
150x150 mm

Information



PI0006
150x150 mm

Meeting point



PI0007
150x150 mm

Cinema



PI0008
150x150 mm

Nursery or baby care



PI0009
150x150 mm
ISSA 4752443
IMPA 332443

Business center



PI0010
150x150 mm

Teaching room



PI0011
150x150 mm

Meeting room or conference facilities



PI0012
150x150 mm

Lounge or waiting area



PI0013
150x150 mm

Cupboard



PI0014
150x150 mm

Trash box or litter bin



PI0015
150x150 mm

Restaurant



PI0016
150x150 mm

Refreshments - Coffee or buffet



PI0017
150x150 mm

Surveillance camera



PI0018
150x150 mm

Accommodation facilities or hotel



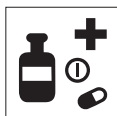
PI0019
150x150 mm

Shop or shopping



PI0020
150x150 mm

Pharmacy



PI0021
150x150 mm

Bar



PI0022
150x150 mm

Snack machine



PI0023
150x150 mm

Smoking area or smoking allowed



PI0024
150x150 mm

Sauna



PI0025
150x150 mm

Hospital



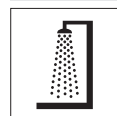
PI0026
150x150 mm

Drinking water



PI0027
150x150 mm

Shower



PI0028
150x150 mm




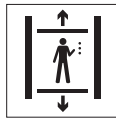

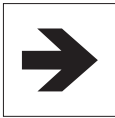






MATERIAL SPECIFICATIONS & AVAILABLE SIZES

Standard size signs made of Pet-X material are all on stock and directly available. Each of the signs in this catalogue are available in multiple different types of materials:

• Pet-X (PVC-free, the environment-friendly choice) • Retro-Reflective • Aluminum light • PVC • Transparant Vinyl • White, self-adhesive vinyl (non-reflective)

Non-standard sizes and materials other than the standard Pet-X material are available upon request. See page 26 for more information.

PUBLIC INFORMATION SIGNS

Lost and found property  PI0029 150x150 mm	Baggage lockers or coin lockers  PI0030 150x150 mm	Stairs  PI0031 150x150 mm	Lift  PI0032 150x150 mm
Accessible lift  PI0033 150x150 mm	Direction arrow (90°)  PI1001 150x150 mm	Direction arrow (45°)  PI1002 150x150 mm	Toilet instructions  PI2001 150x150 mm
Hand dryer  PI2002 150x150 mm	All visitors report to security office  PI5001 150x150 mm	All visitors report to reception  PI5002 150x150 mm	No access  PI5003 150x150 mm ISSA 4752421 IMPA 332421



SIGNAL FLAGS

Signalflag A



FL001
1500x1000 mm
ISSA 371511
IMPA 491315

Signalflag B



FL002
1500x1000 mm
ISSA 371512
IMPA 491316

Signalflag C



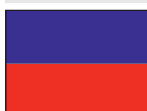
FL003
1500x1000 mm
ISSA 371513
IMPA 491317

Signalflag D



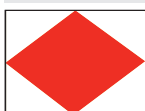
FL004
1500x1000 mm
ISSA 371514
IMPA 491318

Signalflag E



FL005
1500x1000 mm
ISSA 371515
IMPA 491319

Signalflag F



FL006
1500x1000 mm
ISSA 371516
IMPA 491320

Signalflag G



FL007
1500x1000 mm
ISSA 371517
IMPA 491321

Signalflag H



FL008
1500x1000 mm
ISSA 371518
IMPA 491322

Signalflag I



FL009
1500x1000 mm
ISSA 371519
IMPA 491323

Signalflag J



FL010
1500x1000 mm
ISSA 371520
IMPA 491324

Signalflag K



FL011
1500x1000 mm
ISSA 371521
IMPA 491325

Signalflag L



FL012
1500x1000 mm
ISSA 371522
IMPA 491326

Signalflag M



FL013
1500x1000 mm
ISSA 371523
IMPA 491327

Signalflag N



FL014
1500x1000 mm
ISSA 371524
IMPA 491328

Signalflag O



FL015
1500x1000 mm
ISSA 371525
IMPA 491329

Signalflag P



FL016
1500x1000 mm
ISSA 371526
IMPA 491330

Signalflag Q



FL017
1500x1000 mm
ISSA 371527
IMPA 491331

Signalflag R



FL018
1500x1000 mm
ISSA 371528
IMPA 491332

Signalflag S



FL019
1500x1000 mm
ISSA 371529
IMPA 491333

Signalflag T



FL020
1500x1000 mm
ISSA 371530
IMPA 491334

Signalflag U



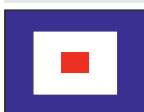
FL021
1500x1000 mm
ISSA 371531
IMPA 491335

Signalflag V



FL022
1500x1000 mm
ISSA 371532
IMPA 491336

Signalflag W



FL023
1500x1000 mm
ISSA 371533
IMPA 491337

Signalflag X



FL024
1500x1000 mm
ISSA 371534
IMPA 491338

Signalflag Y



FL025
1500x1000 mm
ISSA 371535
IMPA 491339

Signalflag Z



FL026
1500x1000 mm
ISSA 371536
IMPA 491340

GENERAL INFORMATION

WE HAVE ALL COUNTRY FLAGS ON STOCK!

MOUNTING MATERIALS AND PANELS

T-ISS offers a wide range of tools for fixation of signs, particularly suitable for the outdoor exposure at sea or in the heavy industry.

FOAM MOUNTING TAPE

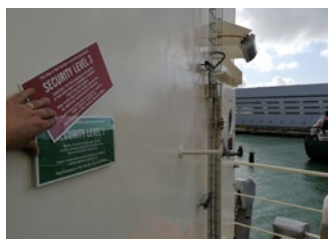
The tape is a closed-cell, polyethylene foam, coated with a high tack / high shear acrylic adhesive. It has superior chemical and fuel resistance, and good outdoor weather resistance.



Article number	Dimensions
FMT10-020	20 mm x 10 m
FMT10-040	40 mm x 10 m
FMT10-050	50 mm x 10 m
FMT50-150	150 mm x 50 m

SECURITY LEVEL SIGN HOLDER

Transparent sign holder in which the signs can be easily changed to inform about the current security level.



Article number	Dimension
SH-WB3	310 x 155 mm

MOUNTING SEALANT AND ADHESIVE

A high viscosity construction sealant and adhesive, one component, fast drying, elastic, humidity curing on MS Polymer basis.

- Primerless adhesion to many surfaces
- High initial and end tack
- Fast drying
- UV stable
- Work temperature; min. +5 °C, max. +35 °C
- Temperature resistance; from – 40 °C up to 100 °C



Article number	Content
MSA-ST780	250 ml

SET RAILINGBRACKETS STAINLESS STEEL

Pair of brackets for easy fixation signs between railing tubes without welding. Pickled and passivated Stainless Steel (SS316), comes complete with SS hose clamps, bolts, nuts, washes and teflon insulation strips. To combine with different sizes stainless steel backplates. Lay-outs, sizes of brackets and hose clamps are always custom-made per situation and available on request.



BACKPLATES STAINLESS STEEL

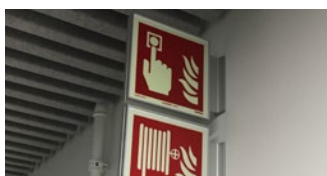
Quality pickled and passivated, also for use in salt water circumstances. To combine with Stainless Steel railingbrackets. Lay-out and size available on request.



MOUNTING MATERIALS AND PANELS

MOUNTING PANEL RIGHT ANGLED

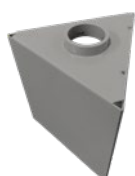
Coated aluminium mounting panel without safety signs. To be used in corridors for a clear view at safety signs from both directions.



Article number	Dimension
MPRA-HH	200 x 200 mm
MPRA-HJ	200 x 267 mm

MOUNTING BOX TRIANGLE

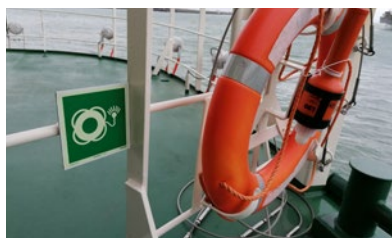
For installation on 2" pipe. Box without safety signs. To be used in open space for a clear view at safety signs from all directions.



Article number	Dimension
MBTA-HH	200 x 200 mm
MBTA-HJ	200 x 267 mm

MOUNTING PANEL STAINLESS STEEL

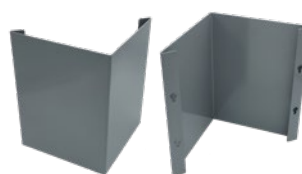
Stainless Steel mounting panel with welded-on brackets for fixation on railing tubes with SS hose clamps.



Article number	Dimension (w x h)
MPBS-GG	150 x 150 mm
MPBS-KG	300 x 150 mm
MPBS-HH	200 x 200 mm

MOUNTING PANEL PANORAMIC

Stainless Steel or coated aluminium panel without safety signs. To be used at longer bulkheads for a clear view at the safety signs from all directions.



Article number	Dimension (w x h)
MPPA-HH	200 x 200 mm (coated aluminium)
MPPA-HJ	200 x 267 mm (coated aluminium)
MPPS-HH	200 x 200 mm (Stainless Steel)
MPPS-HJ	200 x 267 mm (Stainless Steel)

DOUBLE FOLDED EDGE PANEL

Coated Aluminium Double Folded Edge (DFE) panel without safety sign. To be used for pole mounting with brackets. Lay-out and size available on request.



MOUNTING PANEL CEILING

Aluminium without safety sign, for use inside accommodation on the ceiling. Can be used single- and double sided.



Article number	Dimension (w x h)
MPRE-KE	300 x 100 mm
MPRE-KG	300 x 150 mm
MPRE-MG	450 x 150 mm
MPRE-HH	200 x 200 mm
MPRE-HJ	200 x 267 mm
MPRE-XX	Other sizes on request

PIPE MARKING



INTRODUCTION

Marking pipes is essential to ensure safety at all times. Accidents, injuries and damage to machines and equipment can be caused by the fact your operators or external maintenance engineers and intervention services are unaware of the risks of the substances that flow through pipes. The importance of marking pipes becomes clear when we look at the different standards & regulations. In the EU it's required by the regulation EU 92/58

Standards & regulations

Several regional or maritime organisations require compliance with pipe marking standards. Whether it is ISO 14726, ISO 20560, DIN 2403, ANSI, ASME A13.1, BSI 1710, NORSOK or other company standards, T-ISS can supply the correct and compliant pipemarkers in any colour with any print that meet these standards.

Because of this variety in global or regional standards, the new published ISO 20560 standard will realize a truly global, harmonized system of hazard recognition for pipe marking systems with uniformity of graphics, colour-coding and formatting of safety messages. T-ISS can supply you with pipe markers meet the requirements of this new ISO 20560 standard.

PIPE MARKING REQUIREMENTS

The colour, the colour pattern, the size, the width, the content description, the letter size, the flow direction and the safety symbols differ from one standard to another. Our markers, regardless of the sector in which they are to be used, always comply with the latest applicable standards and requirements regarding legislation and regulations.

Where to apply pipe markings?

- At least one in every room for every pipe and every medium
- At frequent intervals on straight pipe runs, between 3 and 5 meter.
In clear situations a greater distance is possible
- When pipes pass through the floor, ceiling or wall, mark both sides
- When pipes change direction
- In the proximity of each valve and pump

For particular surfaces or if the pipes have a too large diameter, it is also possible to provide individual pipe markers. This marker contains all the necessary information in accordance with legislation and regulations, such as colour coding, medium name, safety symbols and possibly the direction of flow. These also differ per standard.

Layout & Design

Within our production process we can make all sorts of different layouts of pipe marking. These layouts always include the mandatory (in most national norms & regulations) safety information:

- Flow direction
- GHS/CLP symbols and warning signs
- Pipe contents description

It has recently also become common to include process information, secondary language and more detailed information about the hazard symbols and even QR codes.

Customized Pipe Marking

Our fully customizable pipemarkers can include all the pipe, contents and flow information your location (both maritime, offshore or industry & chemical sectors) needs to optimally increase workplace safety and efficiency. We will produce all pipe markers using the colours according to the latest global or local regulations and your specific demands. We can supply customized pipe markers with an Self-Adhesive layer, Non-Adhesive or PreCoiled.



Pipe Marking according ISO 20560-1



Customized Pipe Marking

QUALITY PIPE MARKERS

ECONOMY LINE

This pipe marking tape is an economic, unlaminated, acrylic self-adhesive vinyl. The recommended use for this pipemarker is indoors or short term. The Economy Line quality pipe marking is both available as complete printed marker as well as single colour rolls and arrow tape to combine yourself for use on ships according to ISO 14726.

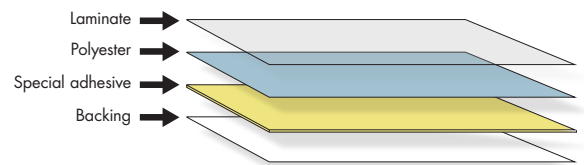
BASIC LINE

The Basic Line pipe marking is a standard performance, acrylic self-adhesive vinyl, glossy laminated for UV and dirt resistance. This tape can be used both indoor and outdoor in various types of environment. UV-resistant up to 5 years*, fixation suitable for smooth and clean surfaces.

POLYESPRO® SELF-ADHESIVE

The special developed Polyespro® pipe marking is the highest available quality. With the resin-based glue it is suitable for all types of pipes, also at older painted surfaces and stainless steel. The non-PVC polyester film and protective laminate guarantees a more than 10 year* expected lifetime both for UV-resistance and fixation, heat and cold resistance and dirt resistance. The resin-based adhesive protects against the risk of moisture between the pipe marker and the pipe and is safe to use at stainless steel pipes.

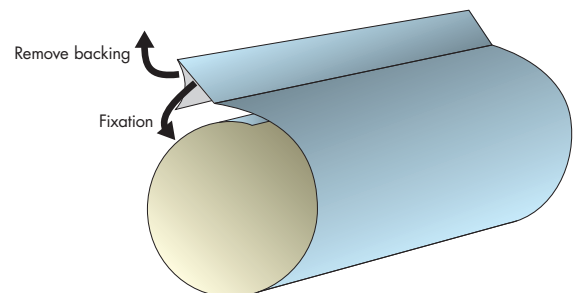
- Rolls
- Sheets
- UV-, scratch- and chemical resistant
- Seawater resistant
- Temperature resistance -40 °C up to +130°C
- Usable in extreme weather conditions
- Strong adhesive, also for use at stainless steel
- The highest available pipemarker on the market today



POLYESPRO® PRECOILED / NON ADHESIVE

The easy to install and removable PreCoiled Polyespro® pipe marking film is a high performance non-PVC polyester sandwich which can be used in demanding environments with a long expected, more than 10-years, lifetime. The PreCoiled pipe markers allow for very quick installation in industry, off-shore installations and ships.

- All above mentioned specifications
- Reusable
- For application on dirty, oily, greasy or rough surfaces
- Easy to install
- Including self-adhesive fixation strip



* Depending on the geographical area and vertical or non-vertical exposure

HOW TO ORDER PIPE MARKERS

For a clearly recognizable, durable pipe marker, it is recommended to apply the pipe marking around the pipe as a wrap. For this purpose we supply the pipe markers both as a roll and as a sheet.

Sheets are intended for a single wrap, for this the sheet length is determined by the circumference of the pipe with 10 - 20% overlap. Pay attention to insulated pipes for the larger outline.

Step 1

Make the choice for quality;

- Economy Line (only for maritime use ISO 14726)
- Basic line (all lay-outs, rolls and sheets)
- Polyespro self-adhesive (all layouts, rolls and sheets)
- Polyespro PreCoiled (individual markers, all lay-outs)

Step 2

Make the choice for layout;

- ISO 20560-1 (world-wide standard) Give medium name, basic identification colour and GHS pictograms according to the Safety Data Sheet (SDS) and optional process risks. (See tables page 116-117)
- ISO 14726 (maritime standard published 2008) (see tables page 113-115)
- DIN 2403 (German standard)
- Other standard or company custom made

Step 3

Dimensions;

- For ISO 20560, sheet- or roll width, see page 117-118
- For ISO 14726, roll width depends on pipe diameter (see page 112, Roll length 10 meter)
- Other standards or custom made, on request
- Basic Line and Economy Line roll length 10 meter
- Polyespro® self-adhesive; roll length 6 or 12 meter, or for sheet length, pipe outline 10 - 20%
- Polyespro® PreCoiled; pipe outline + 10 - 20%
- Pay attention to insulated pipes for the larger outline.

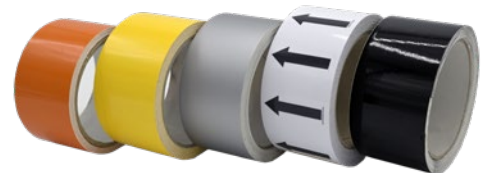


ISO 14726 (2008) PIPE MARKING

SINGLE COLOUR ROLLS

Self-adhesive, quality Basic Line, rolls 10 meter

To combine the basic colours, supplementary colours and arrow tape by yourself. The arrow tape also can be used for flow direction in two directions, in combination with the complete printed markers. Roll width 50mm.



COLOUR	DESCRIPTION	ARTICLE NUMBER	COLOUR	DESCRIPTION	ARTICLE NUMBER
	Waste media	PMT050BK		Oil other than fuel	PMT050OG
	Fresh water	PMT050BU		Steam	PMT050BSR
	Fuel	PMT050BN		Fire fighting	PMT050RD
	Sea water	PMT050GN		Air in vent. systems	PMT050WH
	Non-flammable gasses	PMT050GY		Flammable gasses	PMT050YE
	Masses (dry and wet)	PMT050MN		Acids and alkalis	PMT050VT
	Flow direction	PMT050AR			

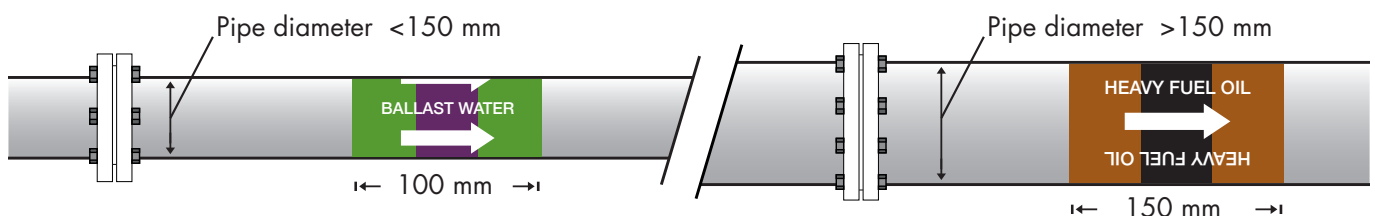
MULTI COLOUR ROLLS

Self-adhesive, quality Basic Line and Economy Line (see page 110) Rolls 10 meter

Comes standard with medium text and flow direction

Upon request also available without text




























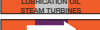














More sizes available, depending on pipe diameter



MARITIME PIPE MARKING COLOUR CODING According ISO 14726

	WASTE MEDIA	BASIC 100mm	BASIC 150mm	ECONOMY 100mm	ECONOMY 150mm
	Black water	PM2BKBU_PBZA	PM2BKBU_PBZB	PM2BKBU_PEZA	PM2BKBU_PEZB
	Waste oil	PM2BKBN_PBZA	PM2BKBN_PBZB	PM2BKBN_PEZA	PM2BKBN_PEZB
	Bilge Water	PM2BKGN_PBZA	PM2BKGN_PBZB	PM2BKGN_PEZA	PM2BKGN_PEZB
	Exhaust gas	PM2BKGY_PBZA	PM2BKGY_PBZB	PM2BKGY_PEZA	PM2BKGY_PEZB
	Grey water	PM2BKWH_PBZA	PM2BKWH_PBZB	PM2BKWH_PEZA	PM2BKWH_PEZB
	Sewage contaminated	PM2BKYE_PBZA	PM2BKYE_PBZB	PM2BKYE_PEZA	PM2BKYE_PEZB
	Black water	PM1BKBU_PBZA	PM1BKBU_PBZB	PM1BKBU_PEZA	PM1BKBU_PEZB
	Waste oil	PM1BKBN_PBZA	PM1BKBN_PBZB	PM1BKBN_PEZA	PM1BKBN_PEZB
	Bilge Water	PM1BKGN_PBZA	PM1BKGN_PBZB	PM1BKGN_PEZA	PM1BKGN_PEZB
	Exhaust gas	PM1BKGY_PBZA	PM1BKGY_PBZB	PM1BKGY_PEZA	PM1BKGY_PEZB
	Grey water	PM1BKWH_PBZA	PM1BKWH_PBZB	PM1BKWH_PEZA	PM1BKWH_PEZB
	Sewage contaminated	PM1BKYE_PBZA	PM1BKYE_PBZB	PM1BKYE_PEZA	PM1BKYE_PEZB
	FUEL	BASIC 100mm	BASIC 150mm	ECONOMY 100mm	ECONOMY 150mm
	Heavy fuel oil (HFO)	PM2BNBK_PBZA	PM2BNBK_PBZB	PM2BNBK_PEZA	PM2BNBK_PEZB
	Aviation fuel	PM2BNBU_PBZA	PM2BNBU_PBZB	PM2BNBU_PEZA	PM2BNBU_PEZB
	Biological fuel	PM2BNVT_PBZA	PM2BNVT_PBZB	PM2BNVT_PEZA	PM2BNVT_PEZB
	Gas-turbine fuel	PM2BNWH_PBZA	PM2BNWH_PBZB	PM2BNWH_PEZA	PM2BNWH_PEZB
	Marine diesel oil (MDO)	PM2BNEY_PBZA	PM2BNEY_PBZB	PM2BNEY_PEZA	PM2BNEY_PEZB
	Heavy fuel oil (HFO)	PM1BNBK_PBZA	PM1BNBK_PBZB	PM1BNBK_PEZA	PM1BNBK_PEZB
	Aviation fuel	PM1BNBU_PBZA	PM1BNBU_PBZB	PM1BNBU_PEZA	PM1BNBU_PEZB
	Biological fuel	PM1BNVT_PBZA	PM1BNVT_PBZB	PM1BNVT_PEZA	PM1BNVT_PEZB
	Gas-turbine fuel	PM1BNWH_PBZA	PM1BNWH_PBZB	PM1BNWH_PEZA	PM1BNWH_PEZB
	Marine diesel oil (MDO)	PM1BNEY_PBZA	PM1BNEY_PBZB	PM1BNEY_PEZA	PM1BNEY_PEZB
	NON-FLAMMABLE GASSES	BASIC 100mm	BASIC 150mm	ECONOMY 100mm	ECONOMY 150mm
	Oxygen	PM2GYBU_PBZA	PM2GYBU_PBZB	PM2GYBU_PEZA	PM2GYBU_PEZB
	Inert gas	PM2GYBN_PBZA	PM2GYBN_PBZB	PM2GYBN_PEZA	PM2GYBN_PEZB
	Nitrogen	PM2GYGN_PBZA	PM2GYGN_PBZB	PM2GYGN_PEZA	PM2GYGN_PEZB
	Refrigerant	PM2GYMN_PBZA	PM2GYMN_PBZB	PM2GYMN_PEZA	PM2GYMN_PEZB
	Compressed air (LP) Low Pressure	PM2GYOG_PBZA	PM2GYOG_PBZB	PM2GYOG_PEZA	PM2GYOG_PEZB
	Compressed air (HP) High Pressure	PM2GYRD_PBZA	PM2GYRD_PBZB	PM2GYRD_PEZA	PM2GYRD_PEZB
	Control air / regulating air	PM2GYVT_PBZA	PM2GYVT_PBZB	PM2GYVT_PEZA	PM2GYVT_PEZB
	Breathing air (used in submarines)	PM2GYWH_PBZA	PM2GYWH_PBZB	PM2GYWH_PEZA	PM2GYWH_PEZB
	Breathing gas (used in submarines)	PM2GYE_PBZA	PM2GYE_PBZB	PM2GYE_PEZA	PM2GYE_PEZB
	Oxygen	PM1GYBU_PBZA	PM1GYBU_PBZB	PM1GYBU_PEZA	PM1GYBU_PEZB
	Inert gas	PM1GYBN_PBZA	PM1GYBN_PBZB	PM1GYBN_PEZA	PM1GYBN_PEZB
	Nitrogen	PM1GYGN_PBZA	PM1GYGN_PBZB	PM1GYGN_PEZA	PM1GYGN_PEZB
	Refrigerant	PM1GYMN_PBZA	PM1GYMN_PBZB	PM1GYMN_PEZA	PM1GYMN_PEZB
	Compressed air (LP) Low Pressure	PM1GYOG_PBZA	PM1GYOG_PBZB	PM1GYOG_PEZA	PM1GYOG_PEZB
	Compressed air (HP) High Pressure	PM1GYRD_PBZA	PM1GYRD_PBZB	PM1GYRD_PEZA	PM1GYRD_PEZB
	Control air / regulating air	PM1GYVT_PBZA	PM1GYVT_PBZB	PM1GYVT_PEZA	PM1GYVT_PEZB
	Breathing air (used in submarines)	PM1GYWH_PBZA	PM1GYWH_PBZB	PM1GYWH_PEZA	PM1GYWH_PEZB
	Breathing gas (used in submarines)	PM1GYE_PBZA	PM1GYE_PBZB	PM1GYE_PEZA	PM1GYE_PEZB

Other texts possible on request

	FRESH WATER	BASIC 100mm	BASIC 150mm	ECONOMY 100mm	ECONOMY 150mm
	Fresh water, sanitary	PM2BUBN_PBZA	PM2BUBN_PBZB	PM2BUBN_PEZA	PM2BUBN_PEZB
	Potable water	PM2BUGN_PBZA	PM2BUGN_PBZB	PM2BUGN_PEZA	PM2BUGN_PEZB
	Distillate	PM2BUGY_PBZA	PM2BUGY_PBZB	PM2BUGY_PEZA	PM2BUGY_PEZB
	Gas-turbine wash water	PM2BUOG_PBZA	PM2BUOG_PBZB	PM2BUOG_PEZA	PM2BUOG_PEZB
	Feed water	PM2BUSR_PBZA	PM2BUSR_PBZB	PM2BUSR_PEZA	PM2BUSR_PEZB
	Cooling fresh water	PM2BUVT_PBZA	PM2BUVT_PBZB	PM2BUVT_PEZA	PM2BUVT_PEZB
	Chilled water	PM2BUWH_PBZA	PM2BUWH_PBZB	PM2BUWH_PEZA	PM2BUWH_PEZB
	Condensate	PM2BUYE_PBZA	PM2BUYE_PBZB	PM2BUYE_PEZA	PM2BUYE_PEZB
	Fresh water, sanitary	PM1BUBN_PBZA	PM1BUBN_PBZB	PM1BUBN_PEZA	PM1BUBN_PEZB
	Potable water	PM1BUGN_PBZA	PM1BUGN_PBZB	PM1BUGN_PEZA	PM1BUGN_PEZB
	Distillate	PM1BUGY_PBZA	PM1BUGY_PBZB	PM1BUGY_PEZA	PM1BUGY_PEZB
	Gas-turbine wash water	PM1BUOG_PBZA	PM1BUOG_PBZB	PM1BUOG_PEZA	PM1BUOG_PEZB
	Feed water	PM1BUSR_PBZA	PM1BUSR_PBZB	PM1BUSR_PEZA	PM1BUSR_PEZB
	Cooling fresh water	PM1BUVT_PBZA	PM1BUVT_PBZB	PM1BUVT_PEZA	PM1BUVT_PEZB
	Chilled water	PM1BUWH_PBZA	PM1BUWH_PBZB	PM1BUWH_PEZA	PM1BUWH_PEZB
	Condensate	PM1BUYE_PBZA	PM1BUYE_PBZB	PM1BUYE_PEZA	PM1BUYE_PEZB
	SEA WATER	BASIC 100mm	BASIC 150mm	ECONOMY 100mm	ECONOMY 150mm
	Decontamination water	PM2GNBU_PBZA	PM2GNBU_PBZB	PM2GNBU_PEZA	PM2GNBU_PEZB
	Sea water, sanitary	PM2GNBN_PBZA	PM2GNBN_PBZB	PM2GNBN_PEZA	PM2GNBN_PEZB
	Ballast water	PM2GNVT_PBZA	PM2GNVT_PBZB	PM2GNVT_PEZA	PM2GNVT_PEZB
	Cooling sea water	PM2GNYE_PBZA	PM2GNYE_PBZB	PM2GNYE_PEZA	PM2GNYE_PEZB
	Decontamination water	PM1GNBU_PBZA	PM1GNBU_PBZB	PM1GNBU_PEZA	PM1GNBU_PEZB
	Sea water, sanitary	PM1GNBN_PBZA	PM1GNBN_PBZB	PM1GNBN_PEZA	PM1GNBN_PEZB
	Ballast water	PM1GNVT_PBZA	PM1GNVT_PBZB	PM1GNVT_PEZA	PM1GNVT_PEZB
	Cooling sea water	PM1GNYE_PBZA	PM1GNYE_PBZB	PM1GNYE_PEZA	PM1GNYE_PEZB
	OILS OTHER THAN FUEL	BASIC 100mm	BASIC 150mm	ECONOMY 100mm	ECONOMY 150mm
	Thermal fluid	PM2OGBU_PBZA	PM2OGBU_PBZB	PM2OGBU_PEZA	PM2OGBU_PEZB
	Lubrication oil for gas turbines	PM2OGGN_PBZA	PM2OGGN_PBZB	PM2OGGN_PEZA	PM2OGGN_PEZB
	Hydraulic fluid	PM2OGGY_PBZA	PM2OGGY_PBZB	PM2OGGY_PEZA	PM2OGGY_PEZB
	Lubrication oil for steam turbines	PM2OGSR_PBZA	PM2OGSR_PBZB	PM2OGSR_PEZA	PM2OGSR_PEZB
	Lubrication oil for gears	PM2OGVT_PBZA	PM2OGVT_PBZB	PM2OGVT_PEZA	PM2OGVT_PEZB
	Lubr. oil for internal combustion engines	PM2OGYE_PBZA	PM2OGYE_PBZB	PM2OGYE_PEZA	PM2OGYE_PEZB
	Thermal fluid	PM1OGBU_PBZA	PM1OGBU_PBZB	PM1OGBU_PEZA	PM1OGBU_PEZB
	Lubrication oil for gas turbines	PM1OGGN_PBZA	PM1OGGN_PBZB	PM1OGGN_PEZA	PM1OGGN_PEZB
	Hydraulic fluid	PM1OGGY_PBZA	PM1OGGY_PBZB	PM1OGGY_PEZA	PM1OGGY_PEZB
	Lubrication oil for steam turbines	PM1OGSR_PBZA	PM1OGSR_PBZB	PM1OGSR_PEZA	PM1OGSR_PEZB
	Lubrication oil for gears	PM1OGVT_PBZA	PM1OGVT_PBZB	PM1OGVT_PEZA	PM1OGVT_PEZB
	Lubr. oil for internal combustion engines	PM1OGYE_PBZA	PM1OGYE_PBZB	PM1OGYE_PEZA	PM1OGYE_PEZB
	FLAMMABLE GASSES	BASIC 100mm	BASIC 150mm	ECONOMY 100mm	ECONOMY 150mm
	Hydrogen	PM2YEBU_PBZA	PM2YEBU_PBZB	PM2YEBU_PEZA	PM2YEBU_PEZB
	Acetylene	PM2YEGY_PBZA	PM2YEGY_PBZB	PM2YEGY_PEZA	PM2YEGY_PEZB
	Liquid gas	PM2YEVT_PBZA	PM2YEVT_PBZB	PM2YEVT_PEZA	PM2YEVT_PEZB
	Hydrogen	PM1YEBU_PBZA	PM1YEBU_PBZB	PM1YEBU_PEZA	PM1YEBU_PEZB
	Acetylene	PM1YEGY_PBZA	PM1YEGY_PBZB	PM1YEGY_PEZA	PM1YEGY_PEZB
	Liquid gas	PM1YEVT_PBZA	PM1YEVT_PBZB	PM1YEVT_PEZA	PM1YEVT_PEZB

Other texts possible on request

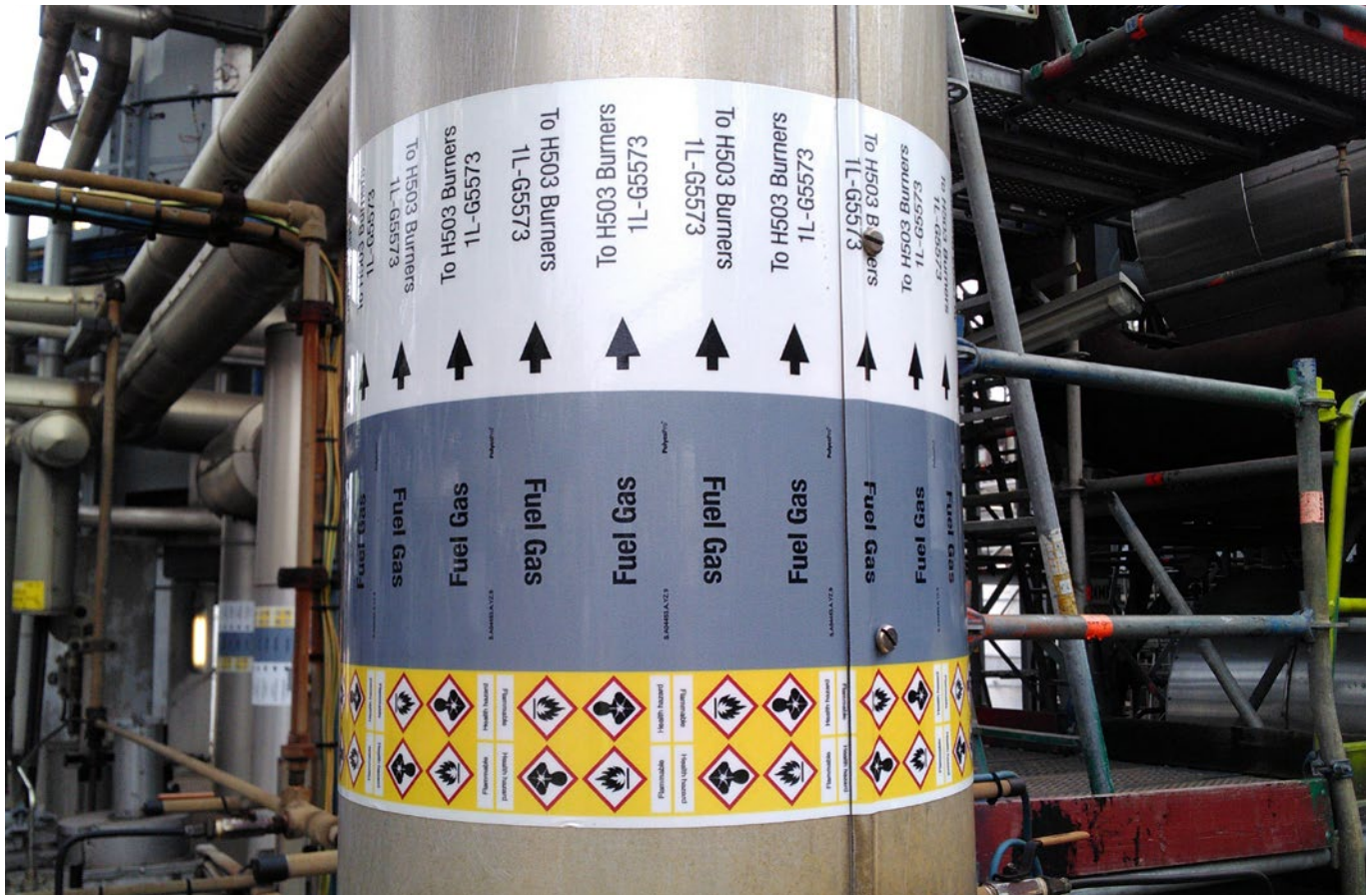
	FIRE-FIGHTING/FIRE PROTECTION	BASIC 100mm	BASIC 150mm	ECONOMY 100mm	ECONOMY 150mm
	Fire-fighting water	PM2RDGN_PBZA	PM2RDGN_PBZB	PM2RDGN_PEZA	PM2RDGN_PEZB
	Fire-fighting gas	PM2RDGY_PBZA	PM2RDGY_PBZB	PM2RDGY_PEZA	PM2RDGY_PEZB
	Sprinkler water	PM2RDOG_PBZA	PM2RDOG_PBZB	PM2RDOG_PEZA	PM2RDOG_PEZB
	Spray water	PM2RDVT_PBZA	PM2RDVT_PBZB	PM2RDVT_PEZA	PM2RDVT_PEZB
	Fire-fighting powder	PM2RDWH_PBZA	PM2RDWH_PBZB	PM2RDWH_PEZA	PM2RDWH_PEZB
	Fire-fighting foam	PM2RDYE_PBZA	PM2RDYE_PBZB	PM2RDYE_PEZA	PM2RDYE_PEZB
	Fire-fighting water	PM1RDGN_PBZA	PM1RDGN_PBZB	PM1RDGN_PEZA	PM1RDGN_PEZB
	Fire-fighting gas	PM1RDGY_PBZA	PM1RDGY_PBZB	PM1RDGY_PEZA	PM1RDGY_PEZB
	Sprinkler water	PM1RDOG_PBZA	PM1RDOG_PBZB	PM1RDOG_PEZA	PM1RDOG_PEZB
	Spray water	PM1RDVT_PBZA	PM1RDVT_PBZB	PM1RDVT_PEZA	PM1RDVT_PEZB
	Fire-fighting powder	PM1RDWH_PBZA	PM1RDWH_PBZB	PM1RDWH_PEZA	PM1RDWH_PEZB
	Fire-fighting foam	PM1RDYE_PBZA	PM1RDYE_PBZB	PM1RDYE_PEZA	PM1RDYE_PEZB

	AIR IN VENTILATION SYSTEMS	BASIC 100mm	BASIC 150mm	ECONOMY 100mm	ECONOMY 150mm
	Discharge air	PM2WHBL_PBZA	PM2WHBL_PBZB	PM2WHBL_PEZA	PM2WHBL_PEZB
	Mechanical supply air, cold	PM2WHBU_PBZA	PM2WHBU_PBZB	PM2WHBU_PEZA	PM2WHBU_PEZB
	Natural exhaust air	PM2WHBN_PBZA	PM2WHBN_PBZB	PM2WHBN_PEZA	PM2WHBN_PEZB
	Atmospheric air	PM2WHGN_PBZA	PM2WHGN_PBZB	PM2WHGN_PEZA	PM2WHGN_PEZB
	Mechanical exhaust air	PM2WHGY_PBZA	PM2WHGY_PBZB	PM2WHGY_PEZA	PM2WHGY_PEZB
	Decontaminated supply air	PM2WHMN_PBZA	PM2WHMN_PBZB	PM2WHMN_PEZA	PM2WHMN_PEZB
	Mechanical recirculated air	PM2WHOG_PBZA	PM2WHOG_PBZB	PM2WHOG_PEZA	PM2WHOG_PEZB
	Mechanical supply air warm	PM2WHSR_PBZA	PM2WHSR_PBZB	PM2WHSR_PEZA	PM2WHSR_PEZB
	Smoke clearance	PM2WHRD_PBZA	PM2WHRD_PBZB	PM2WHRD_PEZA	PM2WHRD_PEZB
	Conditioned supply air	PM2WHVT_PBZA	PM2WHVT_PBZB	PM2WHVT_PEZA	PM2WHVT_PEZB
	Natural supply air	PM2WHYE_PBZA	PM2WHYE_PBZB	PM2WHYE_PEZA	PM2WHYE_PEZB
	Discharge air	PM1WHBL_PBZA	PM1WHBL_PBZB	PM1WHBL_PEZA	PM1WHBL_PEZB
	Mechanical supply air, cold	PM1WHBU_PBZA	PM1WHBU_PBZB	PM1WHBU_PEZA	PM1WHBU_PEZB
	Natural exhaust air	PM1WHBN_PBZA	PM1WHBN_PBZB	PM1WHBN_PEZA	PM1WHBN_PEZB
	Atmospheric air	PM1WHGN_PBZA	PM1WHGN_PBZB	PM1WHGN_PEZA	PM1WHGN_PEZB
	Mechanical exhaust air	PM1WHGY_PBZA	PM1WHGY_PBZB	PM1WHGY_PEZA	PM1WHGY_PEZB
	Decontaminated supply air	PM1WHMN_PBZA	PM1WHMN_PBZB	PM1WHMN_PEZA	PM1WHMN_PEZB
	Mechanical recirculated air	PM1WHOG_PBZA	PM1WHOG_PBZB	PM1WHOG_PEZA	PM1WHOG_PEZB
	Mechanical supply air warm	PM1WHSR_PBZA	PM1WHSR_PBZB	PM1WHSR_PEZA	PM1WHSR_PEZB
	Smoke clearance	PM1WHRD_PBZA	PM1WHRD_PBZB	PM1WHRD_PEZA	PM1WHRD_PEZB
	Conditioned supply air	PM1WHVT_PBZA	PM1WHVT_PBZB	PM1WHVT_PEZA	PM1WHVT_PEZB
	Natural supply air	PM1WHYE_PBZA	PM1WHYE_PBZB	PM1WHYE_PEZA	PM1WHYE_PEZB

	STEAM	BASIC 100mm	BASIC 150mm	ECONOMY 100mm	ECONOMY 150mm
	Steam for heating purposes	PM2SRBK_PBZA	PM2SRBK_PBZB	PM2SRBK_PEZA	PM2SRBK_PEZB
	Driving steam	PM2SRGN_PBZA	PM2SRGN_PBZB	PM2SRGN_PEZA	PM2SRBK_PEZB
	Exhaust system	PM2SRWH_PBZA	PM2SRWH_PBZB	PM2SRWH_PEZA	PM2SRWH_PEZB
	Supply steam	PM2SRYE_PBZA	PM2SRYE_PBZB	PM2SRYE_PEZA	PM2SRYE_PEZB
	Steam for heating purposes	PM1SRBK_PBZA	PM1SRBK_PBZB	PM1SRBK_PEZA	PM1SRBK_PEZB
	Driving steam	PM1SRGN_PBZA	PM1SRGN_PBZB	PM1SRGN_PEZA	PM1SRBK_PEZB
	Exhaust system	PM1SRWH_PBZA	PM1SRWH_PBZB	PM1SRWH_PEZA	PM1SRWH_PEZB
	Supply steam	PM1SRYE_PBZA	PM1SRYE_PBZB	PM1SRYE_PEZA	PM1SRYE_PEZB

Other texts possible on request

ISO 20560-1; THE NEW WORLDWIDE STANDARD FOR PIPE MARKING


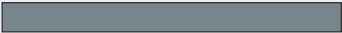








The ISO 20560-1 combines technical information about the contents and identification of pipes with safety information, aiming to have one global safety language for all workers at installations, both on land and maritime.




Key facts ISO 20560-1

- Display content name and flowdirection
- Yellow safety colour for recognition the pipe-content is hazardous
- Warning symbols for hazards according to Safety Data Sheet and other process related risks
- Other safety related information, such as pressure, temperature, speed, etc.
- Technical process information, such as pipe numbers, from-to information, classification code, etc.

Basic identification colours according to ISO 20560-1

	CONTENT OF A PIPE	COLOUR	
Safety colour	Hazardous substances	Yellow	
Basic identification colour	Gases in either gaseous or liquefied condition	Grey	
	Liquids and fixed materials (powder, granulates)	Black	
	Acids	Orange	
	Alkalis (leaches)	Violet	
	Firefighting medium	Red	
	Water	Green	
	Air	Blue	




EXAMPLES ACCORDING TO ISO 20560-1



Natriumchloride vapor
Natriumchloride vapor
Natriumchloride vapor

→
→
→




Alkali with hazards



Cooling Water Return
Cooling Water Return
Cooling Water Return

→
→
→




Water, no hazards



LP Condensate
LP Condensate
LP Condensate

→
→
→




Gas, no hazards



Extinguishing Steam
Extinguishing Steam
Extinguishing Steam

→
→
→




Firefighting gas (steam) with supplementary identification colours



Fuel Gas
Fuel Gas
Fuel Gas




→ To H801 Burners
→ To H801 Burners
→ To H801 Burners

Gas with hazards and technical information



To R802
To R802
To R802

←
←
←



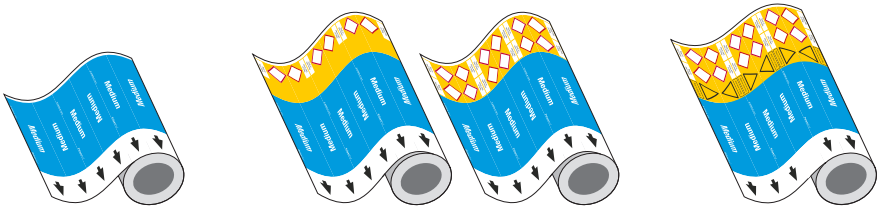
Reactor Effluent
Reactor Effluent
Reactor Effluent

←
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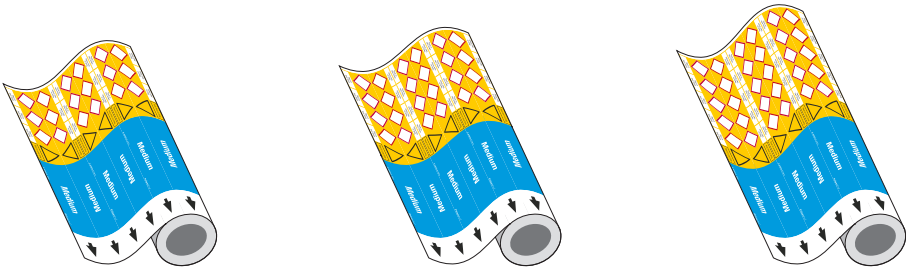
Liquid with hazards, also process and technical information

Pipe markers according to ISO 20560-1, quality Polyespro, can be supplied as rolls, length 6 or 12 meter, or as a sheet for a single wrapper. The width of the marker depends on the amount of safety symbols and the diameter of the pipe. See tables below and next page.

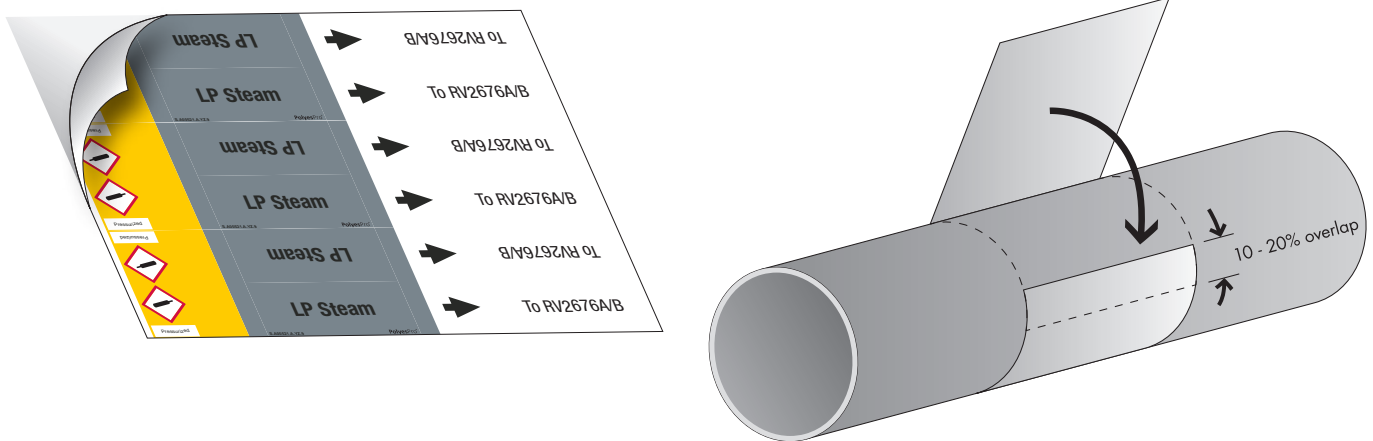
WIDTH OF
ISO 20560-1
PIPE MARKING



PIPEDIAMETER	0 SYMBOLS	1 / 2 SYMBOLS	3 SYMBOLS
≤ 150mm	119mm	162mm	183mm
150 - 500mm	179mm	243mm	275mm
> 500mm	238mm	342mm	366mm



PIPEDIAMETER	4 SYMBOLS	5 SYMBOLS	6 SYMBOLS
≤ 150mm	204mm	225mm	246mm
150 - 500mm	306mm	338mm	369mm
> 500mm	408mm	450mm	490mm



Length of sheet = outline pipe + 10 - 20%

WIDTH OF ISO 20560-1 PIPE MARKING WITH ADDITIONAL INFORMATION

PIPEDIAMETER	0 SYMBOLS	1-2 SYMBOLS	3 SYMBOLS	4 SYMBOLS	5 SYMBOLS	6 SYMBOLS
≤ 150mm	189mm	232mm	253mm	274mm	295mm	316mm
150 - 500mm	284mm	348mm	380mm	411mm	443mm	474mm
> 500mm	378mm	464mm	506mm	548mm	590mm	630mm



SIZE OF INDIVIDUAL ISO 20560-1 PIPE MARKERS

PIPEDIAMETER	0 SYMBOLS	1-2 SYMBOLS	3 SYMBOLS	4 SYMBOLS	5 SYMBOLS	6 SYMBOLS
≤ 150mm	146x34mm	189x34mm	210x34mm	231x34mm	252x34mm	273x34mm
150 - 500mm	219x48mm	284x48mm	315x48mm	347x48mm	378x48mm	410x48mm
> 500mm	292x62mm	378x62mm	420x62mm	462x62mm	504x62mm	546x62mm

CUSTOM MADE PIPE MARKING

Each pipemarker is dedicated to a particular pipe diameter, see illustration page 118.

Pay attention to insulated pipes for the larger outline.

For the textheight, take care all information is readable from the viewing sides of the pipe.

Please ask our specialists for advice in case of ambiguities.

All desired designs can be developed and produced in the qualities basic line, Polyespro® self-adhesive and Polyespro® PreCoiled.



EXAMPLES



QR code incorporated



DIN 2403



Custom design



ISO 14726 with additional information



NORSOK single markers



NORSOK wrap



Single markers custom design

SAFETY SIGNAGE IMPLEMENTATION & CERTIFICATION



SAFETY SIGNAGE IMPLEMENTATION AND CERTIFICATION

Development and installation of an effective and compliant safety signage system has been our core business for many years. Whether it is on a cruise ship, ferry, oil rig, container ship or tanker, the safety of the crew and passengers is our top priority when implementing such a system.

Our safety signage portfolio consists of:

- Escape Route signage (including Low Location Lighting)
- Safety plans / Safety instruction signs
- Fire & Rescue signage
- Fire Control signage
- Warning / Prohibition / Mandatory signs
- Pipe marking
- ISPS signs

In order to implement an effective and compliant safety signage system, we approach each project systematically, based on our main pillar under success: good project management and knowledge of regulations and standards.

Project management

Our organization and teams have the knowledge and experience to successfully manage complex, time-sensitive safety signage and Low Location Lighting projects

in line with your embarkation- and safety plan and safety procedures. Our time-tested techniques serve as an industry model, and our people represent the best in the safety signage business.

Once the scope, tasks and milestones are determined, a dedicated Project Manager is appointed to lead the project and act as the primary contact throughout the life of the project. Project team members are assembled from engineering, drawing, production and installation departments.

The steps we take to ensure the most optimal project result, are based on years of experience and can be considered a best practice to deliver an effective and efficient safety signage system:

- Site survey
- Budgeting
- Engineering & Design
- Production
- Class approved drawings
- Installation
- Low Location Lighting installation, measurements and class-approval guidance*
 - Photoluminescent Low Location Lighting
 - Electrical Low Location Lighting
 - As-built signmanual
- Maintenance

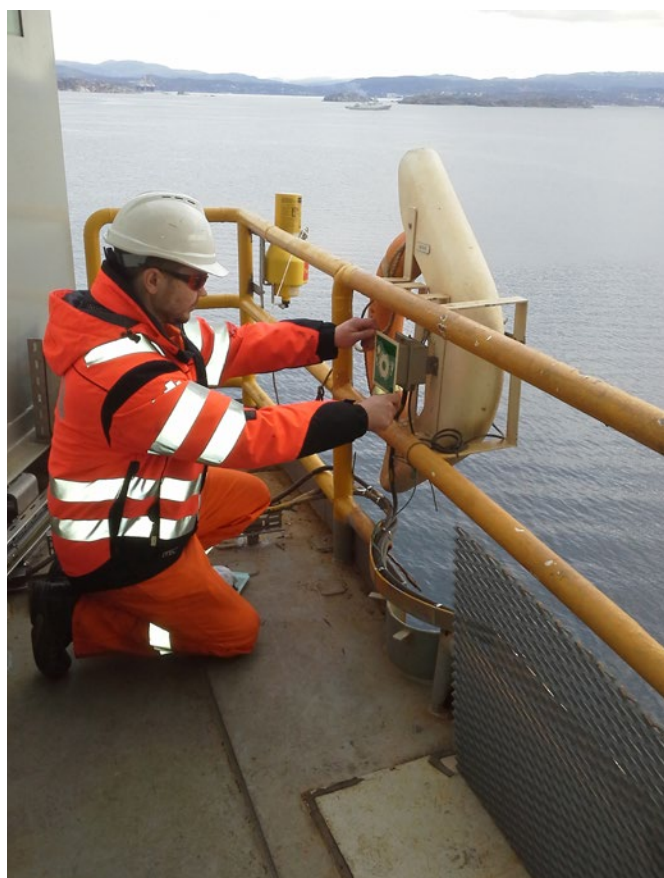
*In case of newbuild ships, we can provide the delivery documentation and certification documents for approval by the classification society.

Site survey

Most of the times, we progress based on the ship's General Arrangement drawings, fire control & safety plans or embarkation plans* and no site survey is needed to create a preliminary sign plan.

If a site survey is needed, we evaluate the current status of your existing signage. Evaluation of all or individual on-board signage areas: safety, technical, crew and pax. This survey will be accompanied by a detailed technical illustrative report: a sign plan. With this survey, we can assess and evaluate the current state of the safety signage system related to relevant IMO resolutions and ISO standards, listing all the findings in the sign plan. In our report, we not only look at the technical state of the signage, but we also report on the state of the signage in terms of compliance with regulations and standards that are applicable in your situation.

*In case your ship or offshore location does not have any fire control & safety plan or embarkation plan, we can develop it for you.





Budgeting

Based on the customer's requirements, and after a close study of the general arrangement drawings, fire control & safety plans or embarkation plans (and results from the site survey when applicable) it is possible to determine what the scope of the project is. We can now make an estimation of the impact and costs involved to implement an effective safety signage system or escape route signage system. Such a system ideally consists of 5 elements that together form the system:

- Low Location Lighting, including signs
 - Photoluminescent Low Location Lighting
 - Electrical Low Location Lighting
- High located Escape signage indicating how to reach the assembly stations and embarkation stations
- Electrical escape signs
- Safety Instructions for passengers and crew (in the cabins and public areas)
- Other safety signs installed at eye level for fire fighting, rescue, fire control, damage control, etc. car-deck safety signage for passengers and other safety signage for safe work of crew

Our way of engineering will always try to avoid an 'overload' of signs, as such an overload of signs does not improve the feeling of safety onboard a ship.

Engineering & Design

Our engineering services include various activities in order to produce a signplan. Based on the available general arrangement drawings and/or results from a site survey we create a signplan, which is developed in accordance with current regulations and standards. In the end, the sign plan provides a clear overview

of any present and required safety signage onboard your ship according to regulations and standards. This allows you to be in control of the safety signage on your ship or offshore location. A sign plan opens the opportunity to partake in the design process before the safety signage becomes permanent. This workflow guarantees a uniform appearance and an efficient and practical implementation of all safety signage.

Years of experience in compiling safety sign systems allows us to survey and map even the most complex locations and installations with competency and efficiency.

Our design services will make sure to follow any branding guidelines when designing the non-standard signage elements (signage that has your logo on it) on your ship or offshore location.

Production

In our own certified SafeSign production facilities, with modern equipment and the manpower we execute production for your largest projects. All standard signs we have on stock for flexible and fast service.

Staffed by highly skilled talent, we have two state-of-the-art manufacturing locations in the Netherlands. We are experts at maximizing efficiency, and have the flexibility to adapt our production processes to match the demands and specifications of your program.

As part of our rigorous quality control measures, all products are inspected at our facilities. Since the majority of our products are constructed in-house, we can assure product quality, no matter the design, or how

many signs you require. Because of our focus on long life quality signage products, you can be assured of a lower Total Cost of Ownership of our signage vs. low cost, low quality signage that is available on the market today. When we deliver a safety signage project to you, you can be sure to be maintenance-free for the foreseeable future. T-ISS is an ISO 9001 Certified company, as certified by DNV. DNV previously certified many of our products, and now DNV also certified our processes, in accordance with the ISO 9001 international standard.

Next to our ISO 9001 certificate that we own for our organization, our safety signage products are certified as well:

- IMO safety signs – DNV
- Low Location Lighting (photoluminescent and electrical) – DNV
- Pipe marking – PolyesPro®, a pipe marking vinyl that was jointly developed with 3M
- SOLAS Retro Reflective tape – DNV

Installation

In order to implement the sign plan on your ship(s), an experienced installation team is dispatched to a location to complete all required work. Our installation teams have the capability to service you anywhere in the world. Teams arrive at your ship or offshore location equipped with the information gathered from the survey and sign plan, assuring that they have all the required equipment and tools needed to complete the job to your satisfaction. Along with the site-specific information, installation teams are advised of the customers installation expectation that include quality wall

repair, cleanliness of installed products, and maintenance of safe and clean work area. In case of the use of local installation teams, we can provide installation supervision.



Class approvals

When T-ISS did the complete project we guarantee the approvals for relevant authorities. With our expertise based on years of experience and participation in ISO committees for safety signage we guide our customers through the entire classification process. T-ISS is fully certified to take the LLL measurements, so together with the certified products we fulfill all necessary tasks for certification of the whole safety sign system in compliance with embarkation plan, fire control plan and all relevant regulations and standards.

Maintenance

After implementation/installation, the sign plan serves as a reference and as a basis for future maintenance of all signage. We understand the importance of regular maintenance and repairs, and offer various maintenance contracts to keep your signage looking at its best. If you have invested in high-quality signage, it makes sound business sense to ensure that it is kept in good condition, to maintain its visual impact and safety.

Maintenance of photoluminescent Low Location Lighting is to be performed every 5 years, by testing all systems. Our engineers are able to test your LLL systems onboard with fully certified test equipment and procedures, as certified by DNV.



