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11 10 1

Danger

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MARINE SIGNS - TRAINING POSTERS & MANUALS - SAFETY PLANS



Maritime Progress has served the marine industry exclusively for more than 25 years and has established itself as a market leader. This has come about by focusing on being legislative compliant, designing and delivering 'fit for purpose' quality products at value for money

prices. With a comprehensive stock level of more than three thousand products available off the shelf we are able to offer an extremely efficient service to marine management teams.

Sensible investment has been made in plant and modern equipment but most of all people – mariners, chemists, graphic artists, printers and production engineers form our pool of experienced personnel producing the products and services for our customers.

Accredited to BS EN ISO 9001:2008 Quality Assurance standard we aim to provide products that contribute to people's safety, that conform to our customer's requirements, to deliver them on time and at a competitive price.

The company is a long standing member of the Photoluminescent Safety Products Association (PSPA) and contributes towards the improvement in the quality and standards of photoluminescent materials.

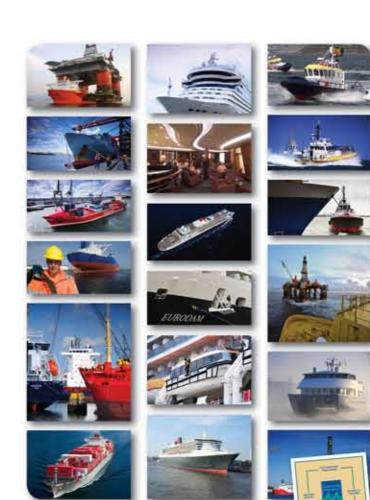
In recent years we have assisted both ISSA and IMPA in the preparation of the signage sections of their catalogues and participated in the revision process of SOLAS Chapter II. Collectively our staff has many years marine experience resulting in the standard of service and quality of product demanded by today's shipping industry.

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The Maritime Progress book is an authoritative reference manual for those considering the requirements for all types of signage, safety awareness and training material onboard ship.

Close liaison with regulatory authorities, key ship owners and operators ensure all products meet current international legislation and are relevant for today's onboard ship management. Specific reference to international regulations, standards, codes and guidelines is made, as required, throughout the book.

With more than 25 years of production experience, both manufacturing and printing processes are monitored under an ISO9001:2008 Quality Assurance System.

Production is concentrated purely for the marine industry allowing extensive stock to be maintained. Special signage specific to customer's own requirements can be produced with state of the art printing techniques on a variety of materials.









The

rogres Book



Technical information

- Colour and shape

Prohibition signs

- Used to limit access and prohibit activity so as to reduce and control risk.
- A black symbol contained within a red circle with diagonal crossbar, white text on a red background if necessary.

Hazard signs

- Used to emphasise identified hazards that cannot be eliminated categorized by the words 'Danger', 'Warning' and 'Caution'.
- A black symbol contained within a yellow triangle with black border and black text if necessary.

Fire equipment signs

- Each item of fire fighting equipment should be marked so as to be readily identifiable.
- A white symbol within a red square or rectangle with white text if necessary.

Safe condition - escape route signs

- Used to indicate an evacuation route, location of safety equipment, safety facility or a safe action.
- A white symbol within a green square or rectangle with white text if necessary.

Mandatory signs

- Used to give specific instructions and information so as to ensure the safety of the crew, passengers and vessel.
- A white symbol within a blue circle with white text if necessary.

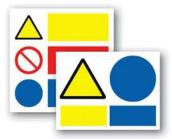












Combination signs

- Used to convey a mixture of Hazard, Prohibition and Mandatory messages they adequately inform without the need for multiple signs.
- A white background in combination with the above specifications.

Hazard diamond signs

- Used to identify substances and articles subject to the provisions of the IMDG Code classed 1 to 9 according to the hazard.
- Reproduced as signs reflecting the labels, marks and signs according to the IMDG Code.



Technical information

- Materials

Why photoluminescent?

This is an ideal material to use for safety signs because photoluminescent material stores energy from a light source and releases the light energy in darkness. There must always be enough light to activate the material while the brightness and period of glow depends on the grade and thickness of pigment used. Maritime Progress photoluminescent material far exceeds the glow properties required for Low Location Lighting systems and has Marine Equipment Directive certification by Lloyds for this purpose. The same material is used as standard for all photoluminescent signs.



Thickness:

PV - 0.6mm (600 micron)

- PR 1.3mm (1300 micron)
- EL 1.5mm (1500 micron)
- **EP**-1mm (1000 micron)
- WV 0.1mm (80 micron)
- WR 1mm (1000 micron)
- Approximate indoor durability:
 - PV-5+ years
 - PR 10+ years
 - EL-10+ years
 - EP-10+ years
 - WV 5+ years WR - 10+ years
- Approximate outdoor durability:
 - PV-3+ years
 - PR-5+ years
 - EL-5+ years
 - EP-5+ years
 - WV-2+ years
 - WR-5+ years

NB: Durability is based on temperate climate performance and can be affected by sunlight/humidity

• Luminance performance:

PV/PR - in excess of 46mcd/m2 @ 10 mins. and 4mcd/ m2 @ 60 mins. when tested in accordance with DIN 67510-1 Part 1.

Self-Adhesive photoluminescent Vinyl (PV)

Flexible laminated PVC composite material incorporating a photoluminescent layer thermally welded to a white reflective layer, backed with pre-applied adhesive.

Photoluminescent Rigid PVC (PR)

Laminated PVC sheet incorporating a photoluminescent layer backed by a rigid white reflective substrate and protected by a tough, clear gloss PVC film. All laminations are thermally welded to form a cohesive sheet.

Vynalast engraving laminate (EL)

This is a tough, rigid, PVC product designed for the more technical applications of engraved signage. In addition to excellent chemical resistance, it has high tensile strength, good impact strength and dimensional stability with low thermal conductivity. It excels in outdoor applications where it is resistant to salt water corrosion, ultraviolet light and other environmental factors.

Vynalast photoluminescent engraving laminate (EP)

Combining all of the properties featured in standard Vynalast, this has a "glow in the dark" core which incorporates specialist non toxic, non-radioactive luminous pigments that absorb ambient light, releasing it slowly when the light source is removed.

Self-Adhesive Vinyl (WV)

Flexible gloss vinyl material, employing an emulsion based, UV resistant, permanent adhesive with high initial tack and adhesion. It is available in a selection of colours and can be specified with a reflective finish if required.

Rigid PVC (WR)

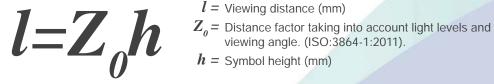
Opaque rigid white gloss PVC material. In addition to excellent chemical resistance, it has high tensile strength, good impact strength and dimensional stability with low thermal conductivity making it ideal for exposed outdoor locations.



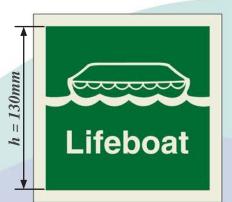
Technical Information - Installation

Viewing distance

The relative size and shape of the symbol within a sign is dictated by International standard. The viewing distance will vary dependant on the illumination conditions, the angle of viewing and the eyesight of the viewer. International Standards use a formula that compares viewing distance against height of the symbol multiplied by a distance factor when viewed at an incidence angle of 90°. This distance factor varies dependant on the user population and illumination at the surface of the sign. International Standards suggest a general value of 60 can be used for Z_o and an example of the formula is given here. For calculation of viewing distance given a specific situation please contact your sign supplier.



l = Viewing distance (mm)



 $Z_{a} = 60$ (general value as defined in ISO 3864-1:2011)

= 7800mm (7.8M)

 $= Z_{o}h$

= 60x130

Viewing

distance

Sign position

Signs should be positioned so that the vertical and horizontal viewing angle is as near to the normal as possible. This will vary depending on the function of the sign but as an example signs placed 1700mm from deck level will be at the same height as the average viewer's eye level with minimal vertical viewing angle. Positioning a sign at 2000mm from deck level will maintain a small viewing angle but raise the sign above the average person's height, making it visible from a crowd. Low Location Way Guidance signs should be placed no more than 300mm from deck level.

Installation Procedures - Self-Adhesive products (PV,WV,)

For satisfactory installation of self adhesive signs, posters and tapes, surfaces should be smooth, clean, dust and grease free. Peel off the backing paper, align the item to ensure it is straight, and allow one edge to stick to the mounting surface. Work away from the centre of this edge gently smoothing the product into place with a wad of soft clean cloth, ensuring no air bubbles are trapped. Self-adhesive products are not suitable for applying to emulsion surfaces.

Installation procedures – Rigid products (PR, WR, EL)

Rigid signs can be drilled at each corner for mechanical fixing and suspension from the deck head, or can be fixed in place using applied adhesives, double sided adhesive pads or suspension kits as detailed on page 59. Where adhesives are used the sign should be temporarily fixed in place using adhesive tape along it's top edge so that a hinge is formed. Once this is done flip the sign up to reveal the back and apply the adhesive. Turn the sign back down allowing it to stick to the bulkhead. Apply pressure with a wad of soft cloth and ensure a good contact by adding additional tape until the adhesive has cured.





IMO Symbols - With text

SOLAS, Chapter III, Regulation 20.10 requires signs to identify the locations of life saving equipment in accordance with recommendations of IMO.

Reference has been made to the symbols related to life saving appliances and arrangements adopted by IMO resolution A.760 (18), MSC82 (70) and A.952 (23).

ifebuo 4106 EE, GG & JJ

4111

EE, GG & JJ

4115

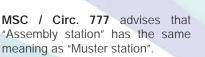
EE, GG & JJ

4120

EE, GG & JJ

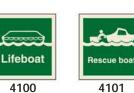
FERD

4129



Experience gained over many years has enabled us to include popular symbols that have as yet not been adopted by IMO.

SOLAS, Chapter III, Regulation 9 requires signs using symbols recommended by IMO illustrating the purpose of controls that are easily seen under emergency lighting conditions.



4100 EE, GG, JJ & MM

EE, GG & JJ







EE, GG & JJ



EE, GG & JJ



EE, GG & JJ



EE, GG & JJ EE, GG & JJ



5100 EE, GG & JJ





EE, GG & JJ EE, GG & JJ





4143

EE, GG & JJ

4117

00

4157

EE, GG & JJ

5101

EE, GG & JJ

5106

4108 EE, GG & JJ



4134

EE, GG & JJ

4103

EE, GG & JJ

4112

EE, GG & JJ



EE, GG & JJ



4126 EE, GG & JJ



EE, GG & JJ









EE, GG & JJ





4104

EE, GG & JJ

4109

EE, GG & JJ

4113

EE, GG & JJ

4119

EE, GG, JJ & MM

4127

EE, GG & JJ

4145

EE, GG & JJ

4110 EE, GG, JJ & MM



4114 EE, GG & JJ



4141 EE, GG, JJ & MM



4128 EE, GG & JJ



4146 EE, GG & JJ



5104





5109 EE, GG & JJ







4125

EE, GG & JJ



5107

EE, GG & JJ



4052

EE, GG, JJ & MM

4058

EE, GG & JJ

4062

EE, GG & JJ

4068

EE, GG & JJ

4153

EE, GG & JJ

4204

JF & MJ

JF & MJ

4203

JF & MJ

4213

JF & MJ

IMO Symbols - Without text



EE, GG, JJ & MM

4051

EE, GG & JJ

4057

EE, GG & JJ

4080

EE, GG & JJ

4067

EE, GG & JJ

4076

EE, GG & JJ

4202

JF & MJ

ES



4056 EE, GG & JJ



EE, GG & JJ



4066 EE, GG & JJ



4075 EE, GG & JJ



4200 JF & MJ











4201

JF & MJ



4212

4421 EE, GG, JJ & MM EE, GG, JJ & MM



EE, GG & JJ



EE, GG & JJ



EE, GG & JJ



EE, GG, JJ & MM



4078 EE, GG & JJ



4205 JF & MJ JF & MJ



4215 JF & MJ



4455

EE, GG, JJ & MM

4454



4060

EE, GG, JJ & MM

4059

EE, GG & JJ

4064

EE, GG & JJ

4070

EE, GG & JJ

4065

EE, GG & JJ



EE, GG & JJ



4150 EE, GG & JJ



JF & MJ



JF & MJ

4234

JF & MJ



Standard IMO symbols used without text is a preferred option where English is not the first language of the crew and passengers. The appropriate symbol should be used to identify each item of life saving equipment or the locker in which it is stowed.

The size of these signs is designed to match available direction arrows, numbers and letters. This enables simple attachment of a direction arrow or identification mark as illustrated, international convention is that the arrow is to the right of the symbol.

Example:



Directions to embarkation station A.

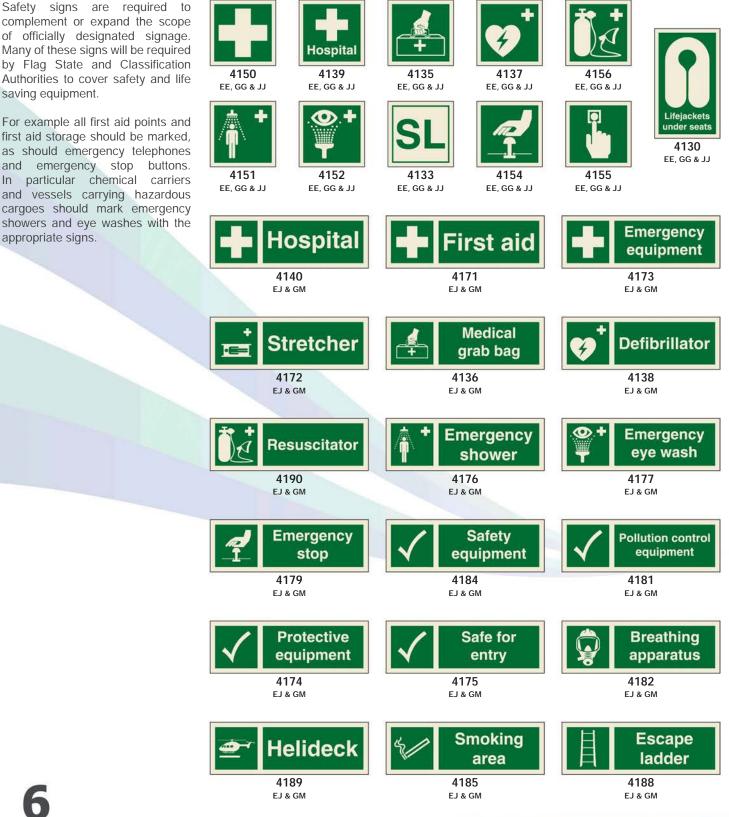




Full alphabet available, continue product ID number sequentially.



Safety signs



Many of these signs will be required by Flag State and Classification Authorities to cover safety and life saving equipment. For example all first aid points and first aid storage should be marked,

as should emergency telephones and emergency stop buttons. In particular chemical carriers and vessels carrying hazardous cargoes should mark emergency showers and eye washes with the appropriate signs.





Direction signs



SOLAS Chapter III, Regulation 11.5 and Chapter II-2, Regulation 13.3.2.5.1 require all escape routes to be marked with photoluminescent signs or signs illuminated by emergency light or both.

IMO publication IMO-981E indicates that exit signs should comprise of a 'running man' pictogram, an arrow and the word 'Exit'.

Primary escape routes should be marked with signs comprising of the 'running man' pictogram, a direction arrow and the word 'Exit'. Secondary escape routes should employ similar signs but with the wording 'Exit for emergency use only' and broken lined arrows. This convention is under review by the ISO working group but at present we are unable to offer further guidance until ratification by IMO.

Frequency of marking is almost impossible to define accurately, as the final decision rests with the surveyor accepting the route marking, however, the following points should be adhered to:

1. Every change of direction should be marked with the appropriate sign.

2. Signs in an alleyway or corridor should be spaced at intervals no greater than the maximum viewing distance of the sign employed. See page 3.

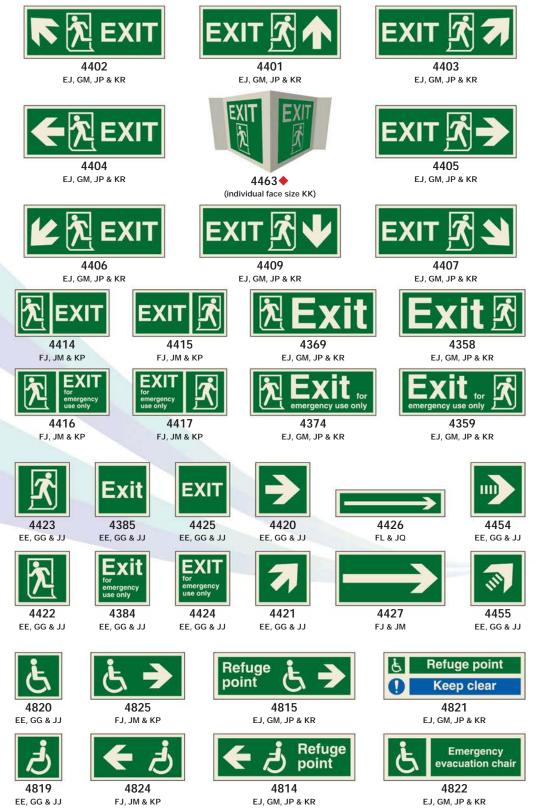
3. When in public or communal areas, an 'Exit' sign should be within a 360° field of view.



Direction signs

Signs should be positioned between 1500 & 2000mm from deck level for normal direction marking and not more than 300mm from deck level for LLL systems. Where possible, signs at doors or hatches should be positioned above the door so that the sign is still visible when the door or hatch cover is open. Direction signs over doors should be limited to either a sign containing an upward pointing arrow, indicating the escape route continues through the door, or to the 'running man' pictogram plus the word 'Exit' indicating that the door is the final exit.

New Regulations for marine signage are currently being prepared by the ISO working group. Results from this group and subsequent ratification by IMO are not expected for some time. One point under discussion is the use of the word 'Exit' and its use in upper and lower case. As a consequence we offer 'Exit' signs in both formats.



These compatible sized signs can be combined to allow total flexibility when positioning signage onboard.

Example:



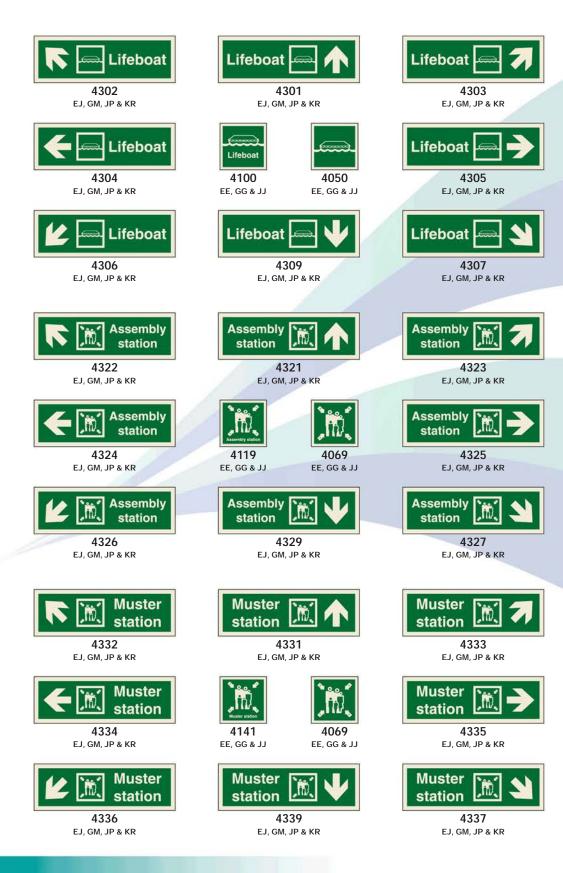
Secondary escape route

Specific local regulation and the passenger ship industry's primary concern to ensure the safety and comfort of all passengers has lead to this selection of signs indicating areas of safety for less able persons requiring assistance in an emergency.





Direction signs



Where more appropriate (e.g. crew accommodation and machinery spaces), escape routes may be marked with the muster/assembly or embarkation station direction signs. Whatever type of sign is employed to mark the escape route, the route should always lead to either a muster/assembly station or an embarkation station which should be identified by the appropriate sign.



Means of escape

SOLAS, **Chapter II-2 Regulation 13.3.2.5.1** to **13.3.2.5.2** refers to the marking of escape routes on passenger ships. The regulation requires ships carrying passengers to be fitted with electric or photoluminescent Low Location Lighting and if carrying more than 36 passengers these regulations also apply to the crew accommodation.

Maritime Progress Photoluminescent Rigid Strip LLL System is certified by Lloyds to comply with the Marine Equipment Directive (MED) covering fire resistance and glow properties required for the component parts of Low Location Lighting systems.

The system comprises of an aluminum carrier extrusion and rigid photoluminescent insert panels. It offers a quick and easy installation combined with rugged and durable quality.

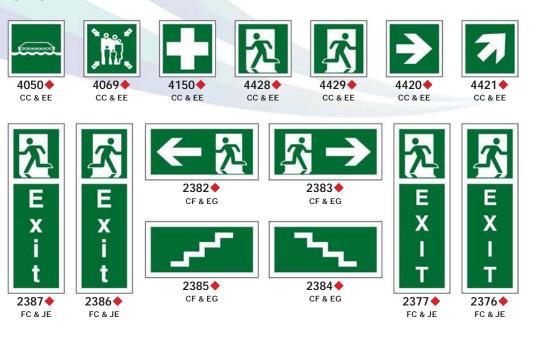
ISO:15370 Ships and marine technology – Low location lighting on passenger ships requires all escape routes, including stairs, to be marked by LLL. Where a photoluminescent material is used this should be a minimum of 75mm wide, unless the photoluminescent performance is increased to allow a narrower width. The superior glow properties of the material manufactured by Maritime Progress allow systems narrower than 75mm to be used.

The standard system uses a material with glow properties within the PSPA class 'B' range. It has a carrier with a 50mm visible width of photoluminescent material and is angled away from vertical to allow the photoluminescent panel to catch more ambient light.

The slim line system uses a similar angled carrier but by using photoluminescent material within the PSPA class 'C' range visible width is reduced to just 35mm.

When fitting LLL systems reference is to be made to **IMO Resolution A.752 (18)** for the evaluation, testing and application of Low Location Lighting.

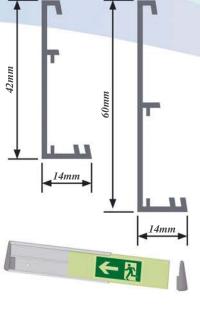
This range of signs, printed on heavy duty transparent vinyl (TV), is designed specifically to use with our standard photoluminescent LLL material and tape. Available in packs of ten they are placed on photoluminescent material so that the printed symbol is highlighted when ordinary lighting fails.







Class C 2374 Class B 2394





Means of escape

- Low location lighting



The carrier is fixed to the bulkhead by countersunk screws, the heads being covered by the photoluminescent panels which are simply slipped into the extrusion.

Internal and external corners, and drops up and down stairways, are easily made by mitering the extrusion and cutting the photoluminescent panels to suit. The LLL signs shown opposite, should be used to give direction indication. End caps are available to neatly terminate the extrusion where required.

The LLL strip should be positioned no higher than 300mm from deck level. Where stairs or corridors are more than 2m wide, LLL strips should be provided on both sides. Stairs should have the top and bottom clearly identified with signs 2384 or 2385 applied to the strip. 'Dead end' passages should be marked with arrows signs 2382 or 2383 spaced no more than 1m apart to direct people away from the dead end.

The photoluminescent strip should be run up vertically to the handle of each door which forms part of the escape route. 'Exit' signs 2386 or 2387 should be provided at each exit, located on the same side as the door handle. Fire and watertight doors should be marked to show how the door opens. All photoluminescent material must produce at least 15 mcd/m2 after10 minutes following removal of external light sources and at least 2 mcd/m2 after 60 minutes when tested in situ. The installer should ensure that sufficient light is available to activate the photoluminescent material to attain this performance. Systems should have their luminescence tested at least once every 5 years.



Specify the number of left and right ends tops required at ime of order.

SOLAS Regulation 13 – Means of Escape. The purpose of this regulation is to provide means of escape so that persons on board every type of vessel can safely and swiftly escape to the lifeboat and liferaft embarkation deck. In a fire situation with associated smoke the use of a photoluminescent material and signs at low level will provide clear guidance, enabling crew and passengers to escape to the embarkation deck.

Way finding tape PV2024 and PV2028 are ideal when considering way guidance providing sufficient light is available to activate the photoluminescent material.

Supplied with 10 left & 10 right handed decals to allow tape to indicate either direction.

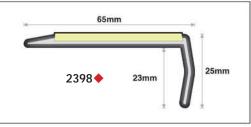


Means of escape

- Stair safety guidance

SOLAS, Chapter II-2 Regulation 13, Means of Escape. This regulation ensures that means of escape are provided so that persons on board can safely and swiftly escape to the lifeboat and liferaft embarkation deck.

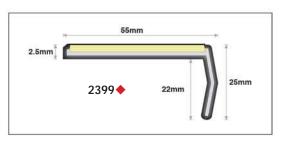
Stairs represent a slip and trip hazard and a serious obstacle when part of a means of escape. Photoluminescent stair nosing provides an excellent method of highlighting stairs along an escape route.

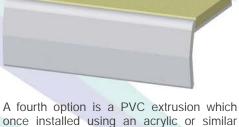


We offer three versions constructed in mill finished aluminium alloy with slip resistant photoluminescent treads.

Installed with capping

plugs to conceal screw heads after fixing.



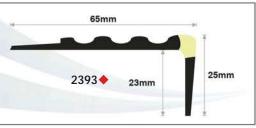


adhesive offers a permanent and durable

non-slip finish.

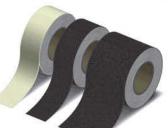
66mm 5mm ↓ 2400 ◆ 36mm ↓ 41mm





Non-slip self adhesive vinyl tapes.

Photoluminescent - NS 2009♦ - 50mm wide x18m Black - NS 2001♦ - 50mm wide x18m Black - NS 2002♦ - 100mm wide x18m



∢∢

Rigid photoluminescent directional deck marking discs. Sold in packs of 10. PR 2086♦ - 60mm diameter PR 2088♦ - 80mm diameter





IMO Fire control symbols - IMO Resolution A.654(16)

FIRE PLAN Fire control plan 6001 EE, GG & JJ	Push-button/switch for fire alarm 6002 EE, GG & JJ	Horn, fire alarm 6003 EE, GG & JJ	Bell, fire alarm 6004 EE, GG & JJ	Manually operated call point 6005 EE, GG & JJ	Although not required by regulations out of convenience and for crew familiarity, many vessels use signs depicting Fire Control Plan symbols to identify equipment onboard. Due to demand from the marine industry we are offering two series of signs based on ISO 17631 and IMO Resolution A.654 (16). The signs on these pages use symbols in accordance with Resolution A.654(16).
Space protected by automatic fire alarm	Space protected by CO ₂	CO ₂ horn	CO ₂ release station	Halon 1301 battery	
6006 EE, GG & JJ	6007 EE, GG & JJ	6008 EE, GG & JJ	6009 EE, GG & JJ	6010 EE, GG & JJ	
HALON	H		F Star	F	
Space protected by Halon 1301	Halon horn	Foam installation	Foam monitor (gun)	Foam nozzle	
6011 EE, GG & JJ	6012 EE, GG & JJ	6013 EE, GG & JJ	6014 EE, GG & JJ	6015 EE, GG & JJ	
F Space protected by foam	F F F Foam valve	Foam release station	Emergency fire pump	Remote controlled fire pumps or em. switches	
6016 EE, GG & JJ	6017 EE, GG & JJ	6018 EE, GG & JJ	6019 EE, GG & JJ	6020 EE, GG & JJ	
		W	w	C	
Bilge pump	Emergency bilge pump	Water monitor (gun)	Water fog applicator	Emergency telephone station	
6021 EE, GG & JJ	6022 EE, GG & JJ	6023 EE, GG & JJ	6024 EE, GG & JJ	6025 EE, GG & JJ	
	Ŧ		D	F	

Fire axe 6026 EE, GG & JJ

Drenching installation 6027 EE, GG & JJ



Space protected by drenching installation 6028 EE, GG & JJ



Drenching section valves

6029 EE, GG & JJ Fire station

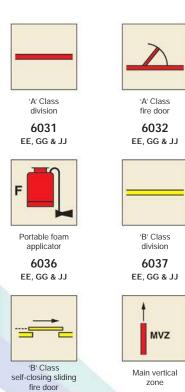
6030

EE, GG & JJ



IMO Fire control symbols - IMO Resolution A.654(16)

SOLAS Consolidated edition 2001 Chapter II-2, Regulation 20 requires the use of fire control symbols on Fire Plans in accordance with IMO Resolution A.654(16). These symbols can continue to be used by vessels constructed before January 2004 until such time as the Fire Plans require major modification or replacement. When this occurs, symbols to ISO 17631 should be used to compile the new plans regardless of the age of the vessel. If signs have been used to identify Fire Control Equipment, then these too should be changed to conform to ISO 17631.



6041 EE, GG & JJ

6042

EE, GG & JJ

Sprinkler

section valve

6047

EE, GG & JJ

Powder monitor

(gun)

6052

EE, GG & JJ

Fire main

6057

S



Sprinkler 6046 EE, GG & JJ

S



Powder installation





Smoke detector 6056

with valves EE, GG & JJ

'A' Class self-closing fire door





fire door 6038 EE. GG & JJ



Fire alarm



CO, battery 6048

EE, GG & JJ



Powder hose and hand gun 6053

EE, GG & JJ



Hose box with spray / jet 6058 EE, GG & JJ



sliding fire door 6034 EE, GG & JJ



self-closing fire door 6039 EE. GG & JJ



station 6044 EE, GG & JJ



Halon release station



station





connection 6059 EE, GG & JJ



'A' Class self-closing sliding fire door 6035 EE, GG & JJ



'B' Class sliding fire door 6040 EE. GG & JJ



Space protected by sprinkler

6045 EE, GG & JJ



Halon 1301 bottles in protected area

6050 EE, GG & JJ



Flame detector 6055



pump 6060 EE, GG & JJ





























EE, GG & JJ





EE, GG & JJ

6043 EE, GG & JJ

control panel

















IMO Fire control symbols - IMO Resolution A.654(16)



Heat detector 6061 EE, GG & JJ



Control station

6066 EE. GG & JJ



Secondary means of escape

6071 EE, GG & JJ



Emergency generator

6076 EE, GG & JJ



2kg Powder fire extinguisher

6082 EE, GG & JJ



6kg CO₂ fire extinguisher

6087 EE, GG & JJ



detector 6062





Locker with fireman's outfit

6067 EE. GG & JJ



Closing appliance for exterior ventilation inlet or outlet 6072

EE, GG & JJ



Emergency switchboard 6077

EE, GG & JJ



2kg Powder fire extinguisher 6083





9kg Powder fire extinguisher 6088 EE, GG & JJ



Fire damper in vent duct 6063 EE, GG & JJ



additional breathing apparatus 6068 EE, GG & JJ



Inert gas installtion 6073





Remote ventilation shutoff 6078

EE, GG & JJ



1kg Powder fire extinguisher 6084





foam fire extinguisher 6089 EE, GG & JJ



6064 EE, GG & JJ



additional protective clothing 6069



High expansion foam supply tank

> 6074 EE, GG & JJ



6kg Powder fire extinguisher

6079 EE, GG & JJ



50kg Wheeled Powder fire extinguisher 6085 EE, GG & JJ



5kg Powder fire extinguisher

6090 EE, GG & JJ



Remtoe controlled FO/LO valves 6065

EE, GG & JJ



Primary means of escape

6070 EE, GG & JJ



CO₂ / Nitrogen bulk installation

EE, GG & JJ



9ltr Foam fire extinguisher

6080 EE, GG & JJ



6086 EE, GG & JJ



9ltr Foam fire extinguisher

6091 EE, GG & JJ











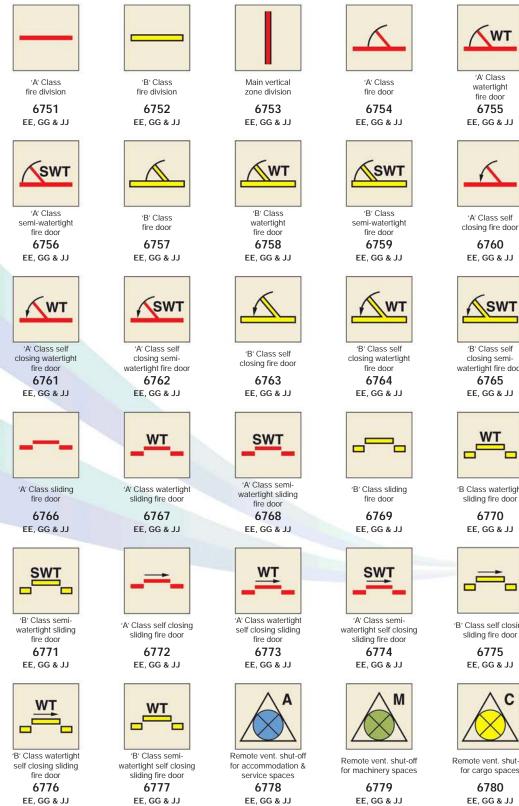






The symbols reproduced here, in accordance with IMO Resolution A.952(23), are intended for use on ships' fire plans. Although not initially required by regulation, out of convenience and to assist crew familiarity, many vessels use signs depicting Fire Control Plan symbols to identify equipment onboard. ISO:24409 - Design, location and use of shipboard safety signs is likely to be adopted soon and this standard will include these symbols as signs.

SOLAS Chapter II-2 regulation 15 requires the use of fire control symbols in accordance with IMO Resolution A.952(23) which in turn refers to ISO:17631 and applies to vessels constructed on or after 1st January 2004.







watertight fire door



'B Class watertight sliding fire door

EE, GG & JJ



'B' Class self closing sliding fire door

EE, GG & JJ



Remote vent. shut-off for cargo spaces

EE, GG & JJ





Skylight remote controls

6781 EE, GG & JJ



Fire damper for cargo spaces

6786 EE, GG & JJ



Remote control for fire dampers in machinery spaces 6791

EE, GG & JJ



Fire plan & associated plans

6796 EE, GG & JJ



Fuel pumps remote shut-off

6801 EE, GG & JJ



Lub. oil valves remote control

6806 EE, GG & JJ



Watertight doors remote controls

6782 EE, GG & JJ



Closing device for accommodation & service spaces 6787

EE, GG & JJ



Remote control for fire dampers in cargo spaces 6792 EE, GG & JJ

Fire pump remote control

6797 EE, GG & JJ



Lub. oil pumps remote shut-off 6802

EE, GG & JJ



Fire pump valves remote control

6807 EE, GG & JJ



remote controls 6783 EE, GG & JJ



Closing device for machinery spaces 6788 EE, GG & JJ



Remote control for closing device for accommodation & service spaces 6793 EE, GG & JJ



Fire pump 6798 EE, GG & JJ



Bilge pump(s) remote control 6803

EE, GG & JJ CO



Remote release station for CO₂ 6808 EE, GG & JJ



accommodation & service spaces 6784 EE, GG & JJ



Closing device for cargo spaces 6789 EE, GG & JJ



Remote control for closing device for machinery spaces 6794 EE, GG & JJ



6799



Emergency bilge pump remote control

6804 EE, GG & JJ



Remote release station for Nitrogen

6809 EE, GG & JJ



Fire damper for machinery spaces 6785 EE, GG & JJ



Remote control for fire dampers in accommodation & service spaces 6790 EE, GG & JJ



Remote control for closing device for cargo spaces 6795 EE, GG & JJ



Emergency fire pump

6800 EE, GG & JJ



valves remote control 6805 EE, GG & JJ



station for Halon equivalent

6810 EE, GG & JJ













station for foam 6811

EE, GG & JJ



Foam section valve 6816

EE. GG & JJ

N

installation

6821

EE, GG & JJ

CO,

Fixed CO, fire

extinguishing battery

6826

EE, GG & JJ

W

Fixed water fire

extinguishing

batterv

6831

EE, GG & JJ

P

Powder bottles in

protected area

6836

EE, GG & JJ

 $\mathbf{18}$





Fixed Halon equivalent fire extinguishing installation 6822



Fixed Nitrogen fire extinguishing battery



CO bottles in protected area

6832



Water bottles in protected area





station for water 6813 EE, GG & JJ



Fire main section valve

> 6818 EE. GG & JJ



extinguishing installation 6823 EE, GG & JJ



Fixed Halon equivalent fire extinguishing battery 6828

EE, GG & JJ



Nitrogen bottles in protected area

EE, GG & JJ



6838



6814

EE, GG & JJ

valve

6819

EE, GG & JJ

P

Fixed powder fire

extinguishing

installation

6824

EE, GG & JJ



Fire hydrant 6815 EE, GG & JJ



extinguishing installation 6820 EE. GG & JJ



extinguishing installation 6825



extinguishing battery 6830 EE, GG & JJ



Foam bottles in protected area



Inert gas installation

6840 EE, GG & JJ

The fire extinguishing media is to be colour coded in the lower part of the symbol. For Halon equivalent media this colour is brown with the type of media used indicated on the sign. Fixed Nitrogen fire extinguishing

Powder section

valve

6817

EE. GG & JJ

Remote release

station for powder

6812

EE, GG & JJ

EE, GG & JJ



6827 EE, GG & JJ



EE, GG & JJ



EE, GG & JJ

6833



foam supply tank EE, GG & JJ



Fixed foam fire extinguishing battery 6829 EE, GG & JJ



area 6834 EE, GG & JJ



Water spray system

EE, GG & JJ





Fixed water fire



Fixed powder fire











control valves







Foam monitor 6841 EE, GG & JJ



Water fire hose & nozzle

6846 EE, GG & JJ



Water fire extinguisher

6851 EE, GG & JJ



Water wheeled fire extinguisher

6856 EE, GG & JJ



Space protected by fixed Halon equivalent fire extinguishing system **6860**





```
Water fog
applicator
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6865 EE, GG & JJ



monitor 6842 EE, GG & JJ



CO₂ fire extinguisher

6847 EE, GG & JJ



CO₂ wheeled fire extinguisher

6852 EE, GG & JJ



Portable foam applicator unit

6857 EE, GG & JJ



by fixed foam fire extinguishing system 6861 EE, GG & JJ



of electrical power (generator) 6866 EE, GG & JJ



Water monitor 6843 EE, GG & JJ



Halon equivalent fire extinguisher 6848 EE, GG & JJ



Halon equivalent fire wheeled extinguisher 6853

EE. GG & JJ



Fire fighters outfit locker 6858

EE, GG & JJ







of electrical power (battery) 6867 EE, GG & JJ



Foam fire hose & nozzle 6844 EE, GG & JJ



Foam fire extinguisher 6849 EE, GG & JJ



Foam wheeled fire extinguisher

6854 EE, GG & JJ



Space protected by fixed CO₂ fire extinguishing system **6859** EE, GG & JJ



Space protected by fixed water fire extinguishing system 6863





Emergency switchboard

6868 EE, GG & JJ



Powder fire hose & nozzle 6845



P

Powder fire extinguisher 6850 EE, GG & JJ



Powder wheeled fire extinguisher 6855

EE, GG & JJ





EE, GG & JJ



Space protected by sprinkler system

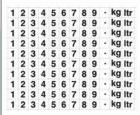




Air compressor for breathing devices

> **6869** EE, GG & JJ

ISO:17631 Annex A depicts each fire extinguisher with either a weight or a capacity. Manufacturers produce many different sized extinguishers therefore the symbols are shown with this information omitted. Customers can request the size to be inserted at no extra cost. As an alternative product code 2607MMTV can be used to mark the capacity of the fire extinguisher on the sign.



2607 **•**

30x30mm black characters on transparent vinyl.





Currently ISO have a working group drawing up a marine signage standard. **ISO:24409 – Design**, **location and use of shipboard safety signs**. Part 1 of the standard contains sign design principles part 2 is a catalogue of signs which will include fire control symbols whilst their use will be defined in part 3 of the standard.



panel 6870 EE, GG & JJ



by flame detector(s)

6875 EE, GG & JJ

2608

A4 Sheet



Fire alarm push button / switch 6871



Space monitored by gas detector(s)

6876 EE, GG & JJ



call point 6872





6878 EE, GG & JJ



EE, GG & JJ

Fire extinguisher

spare charge(s)

6715

EE. GG & JJ

Space monitored by heat detector(s) 6874

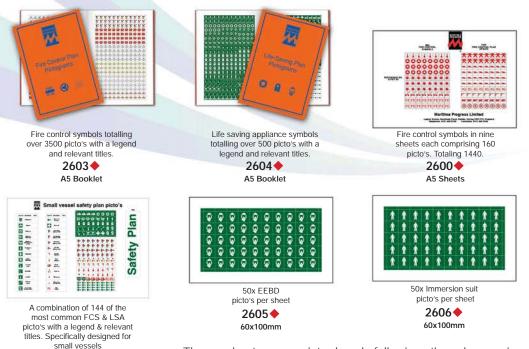
EE, GG & JJ



Safety plan 4132 EE, GG & JJ

Following vessel modification or risk assessment the location of fire fighting and life saving appliances can change. The **SOLAS 1974** Regulations require that alterations to the Fire Control Plan are recorded as soon as possible. These "stick-on" pictograms offer an ideal, cost effective solution for the modification to Fire and Life-saving Plans.

Pictos are available complying with ISO 17631:2002 and IMO Resolution A654(16).



These sheets were introduced following the change in regulations requiring vessels to carry extra EEBD's and Immersion suits. Individual sets of pictograms are available upon request.



- Plan modification / creation



SOLAS Chapter II-2, Regulation 15.2.4 requires general arrangement plans to be permanently exhibited for the guidance of the ship's officers. These plans are to show the structural fire prevention measures, the location of fire fighting equipment and the means of access to different compartments. Description in

such plans shall be in the language or languages required by the Administration. If the language is neither English or French, a translation into one of these languages shall be included.

IMO Resolution A.952(23) – Graphical symbols for shipboard fire control plans refers to the International Standard **ISO 17631:2002**. The Maritime Progress fire and safety plan design department uses symbols from this standard to assist customers develop suitable fire control plans. When an item of equipment is not covered by the ISO standard reference is made to the large library of symbols that have been created to match some customer's specific needs.



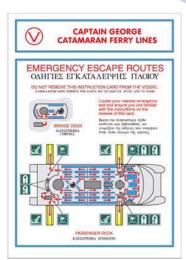
All work is carried out using the latest internationally recognized IMO/ISO graphical symbols. Drawings are produced as originals working from prints of the ship's general arrangement or by importing existing CAD files held by the

customer. This allows us to offer complete, full colour, laminated drawings to A0+ size to cover most ship board requirements. If required, plans can be securely archived for the customer, thereafter retrieval and modification can be quick and cost effectively made.

SOLAS Chapter II-2, **Regulation 13.7.2.2** requires Ro-Ro passenger ships to display simple mimic plans showing the "you are here" position and escape routes prominently displayed on the inside of cabin doors and in public spaces.

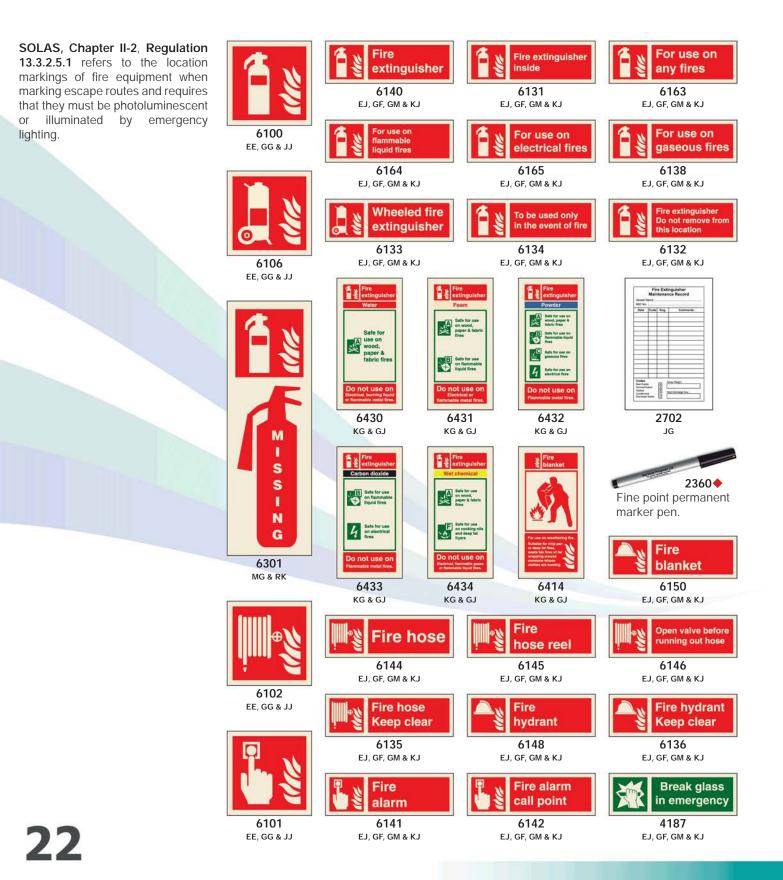
Plans printed on PSPA Class C photoluminescent vinyl will considerably improve the effectiveness of this safety application.







Fire equipment signs





Fire equipment signs



6500 (individual face size KK) 6504 (individual face size KK)

6502 (individual face size KK)

6506 (individual face size KK)



Prohibition signs





Prohibition signs







Warning

7652

EJ, GF, GM & KJ

Danger

7542



Hazard signs

International standards require sign makers to ensure, as far as possible, that the seriousness of the hazard is represented on a sign by using the correct terminology.

is counterproductive It to categorize every hazard at the highest consequence therefore risk assessment is critical when choosing the correct level of hazard identification sign. These signs use the following key words to represent the seriousness of the hazard:



indicate a potentially То hazardous situation, which, if not avoided, may result in minor or moderate injury.

То indicate potentially а hazardous situation, which, if not avoided, may result in death or serious injury.



Warning

To indicate an immediately hazardous situation, which, if not avoided, will result in death or serious injury.

To be limited to the most extreme situations.



7500 EE, GG & JJ



EJ, GF, GM & KJ

Warning

Hazardous area

7549

EJ, GF, GM & KJ

Caution

Very hot water

7659



7545 EJ, GF, GM & KJ

Caution

7651

EJ, GF, GM & KJ



7656 EJ, GF, GM & KJ





EJ, GF, GM & KJ EJ, GF, GM & KJ

Caution

Steep stairway

Use

handrails

Warning

ef Off

3144

KM & PR

Caution Hazardous substance 7665

















Caution Danger 7540 EJ, GF, GM & KJ EJ, GF, GM & KJ



7654 EJ, GF, GM & KJ



EJ, GF, GM & KJ

Caution

Hot

7658

EJ, GF, GM & KJ

Danger

Hazardous substance

7666

EJ, GF, GM & KJ

Open slowly

7653





7655 EJ, GF, GM & KJ

Warning

Open slowly

7541

EJ, GF, GM & KJ



7569 EJ, GF, GM & KJ



EJ, GF, GM & KJ



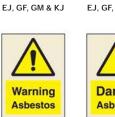


3106 KM & PR

3110 KM & PR





















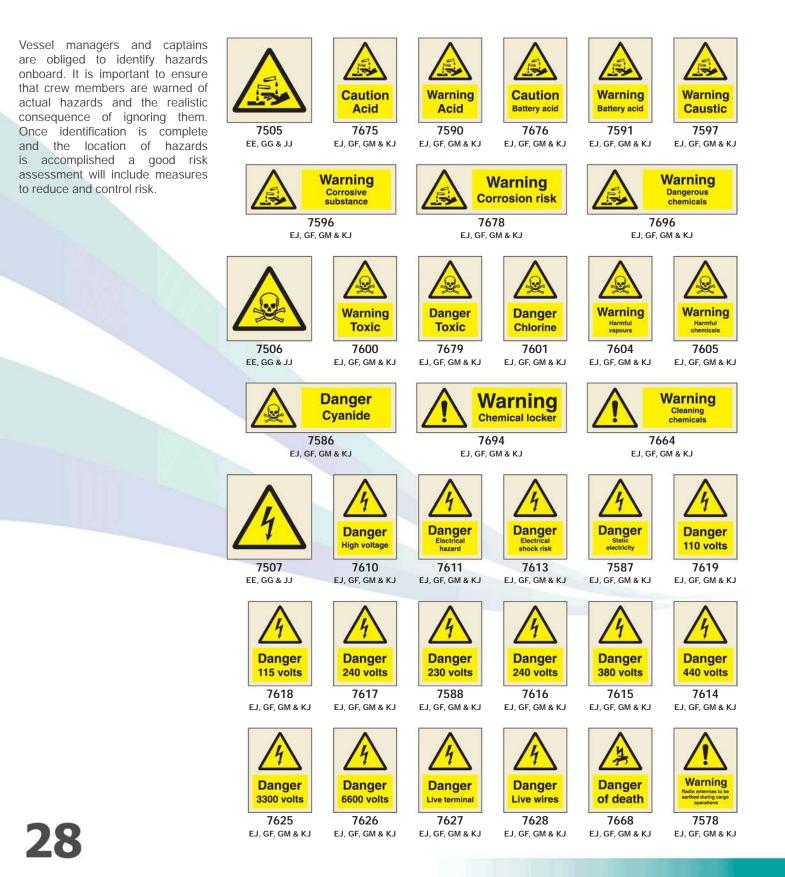


Hazard signs





Hazard signs







Hazard signs

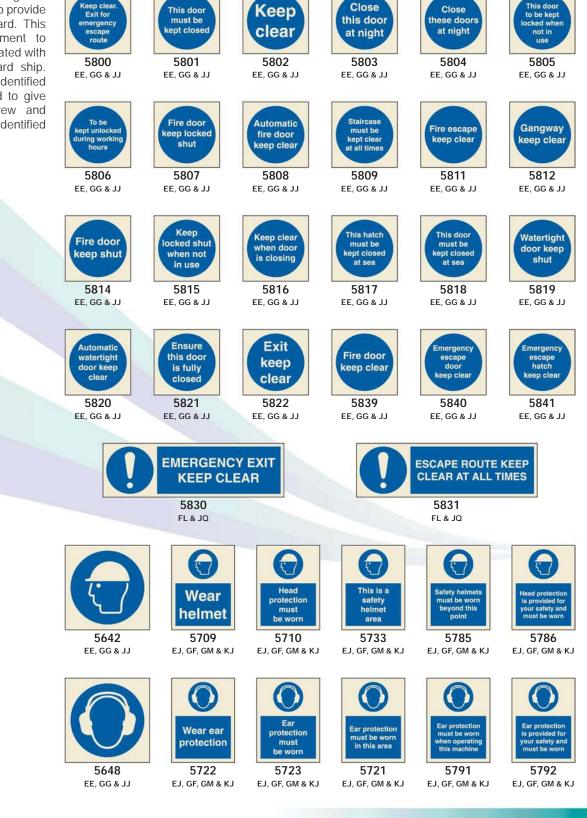






Mandatory signs

The **ISM Code** places an obligation on owners and managers to provide a safe environment onboard. This necessitates risk assessment to identify the hazards associated with operations and life onboard ship. Once hazards have been identified mandatory signs are used to give specific instruction to crew and passengers, to reduce identified risks.





Mandatory signs

5644 EE, GG & JJ	Wear goggles 5715 EJ, GF, GM & KJ	Eye protection must be worn 5712 EJ, GF, GM & KJ	Eye protection must be worn in this area 5734 EJ, GF, GM & KJ	Eve protection must be worn when operating this machine 5787 EJ, GF, GM & KJ	Eve protection is provided for your safety and must be worn 5730 EJ, GF, GM & KJ	
5646 EE, GG & JJ	Wear mask 5719 EJ, GF, GM & KJ	Masks must be worn in this area 5793 EJ, GF, GM & KJ	5647 EE, GG & JJ	Wear respirator 5731 EJ, GF, GM & KJ	Respriators must be worn in this area 5794 EJ, GF, GM & KJ	
5645 EE, GG & JJ	Wear face shield 5716 EJ, GF, GM & KJ	Face protection must be worn in this area 5732 EJ, GF, GM & KJ	Wear visor 5795 EJ, GF, GM & KJ	Wear welding mask 5796 EJ, GF, GM & KJ	Face protection web evorm when welding 5735 EJ, GF, GM & KJ	
Б649 ЕЕ, GG & JJ	Wear gloves 5724 EJ, GF, GM & KJ	Hand protection must be worn 5797 EJ, GF, GM & KJ	5650 EE, GG & JJ	Boots must be worn 5725 EJ, GF, GM & KJ	Protective footwear must be worn 5798 EJ, GF, GM & KJ	
5651 EE, GG & JJ	Wear protective clothing 5726 EJ, GF, GM & KJ	Protective clothing must be worn in this area 5677 EJ, GF, GM & KJ	5643 EE, GG & JJ	Wear high visibility clothing EJ, GF, GM & KJ	High visibility clothing must be worn in this area 5782 EJ, GF, GM & KJ	
	5	arness nust worn	\bigcirc	Lifejacket must be worn at all times	s	

5656 EE, GG & JJ

5652

EE, GG & JJ

5743

EJ, GF, GM & KJ

5742

EJ, GF, GM & KJ







GF & KJ

5901

LK

Mandatory signs

5900

LK

				3		
	Think safety 5675 EJ, GF, GM & KJ	Accidents must be reported 5851 EJ, GF, GM & KJ	Persons entering the area must comply with satety regulations 5679 EJ, GF, GM & KJ	All visitors to report to the duty officer on the bridge 5854 EJ, GF, GM & KJ	Ventilation to be used prior to entry 5852 EJ, GF, GM & KJ	The doer must be the case of during the case of during the case of during the case of during the case of the case the case of the case the case of the case of the case the case of the case of the case the case of the case of the case of the case the case of the case of the case of the case of the case the case of the
	When the plant is not in use gas and other valves must be shut 5873 EJ, GF, GM & KJ	Adjust pressure sccording to the torch in use 5874 EJ, GF, GM & KJ	Cas flood system Deceted area Were used with the year Were used with the year Based EJ, GF, GM & KJ	Co Co Co Co Co Co Co Co Co Co	Water mit protected area Water mit protected area Water mit Case area water water Case area water Base2 EJ, GF, GM & KJ	Keep shut 5871 EJ, GF, GM & KJ
	Secure painter to strong point before launching 5875 EJ, GF, GM & KJ	Guards must be in position before starting 5729 EJ, GF, GM & KJ	Guards must be used 5708 EJ, GF, GM & KJ	Switch off when not in use 5744 EJ, GF, GM & KJ	Lift correctly 5727 EJ, GF, GM & KJ	Use handrail 5707 EJ, GF, GM & KJ
	6 41	5658			5653	5657
	EE, GG & JJ	5058 EE, GG & J.			5053 E, GG & JJ	5057 EE, GG & JJ
Certain Mandatory actions are required during emergency situations, these products have been produced using experience gained over many years. Specific ship instructions can be reproduced upon request, see page 21.	Control of the set of		1. GEA In series Serveri 2. ON 11 Parameter Assembly Assembly Assembly	CONTROL OF	of this notice. Next	Lancerband . 1000 million . 1000 million
	bid how to pull it on. 3. You will be given instru- Site cash and states any Site cash and states any the state of the creation of the state 1.001 2.001	ember of the crew. a lifejacket if you need one and	Doord Down Swing Bank An Ave energy Common diffect freque 5. First		judget by a member to see available writig a Migacket	<section-header><section-header><section-header><section-header><section-header><text><text><text></text></text></text></section-header></section-header></section-header></section-header></section-header>







Space identification signs













Many spaces have recognised hazards which require messages of warning, prohibition and mandatory instruction prior to entry.

These signs are used to convey a combination of messages onto one sign rather than having a number of different signs.



3126

MM

Forecastle Space



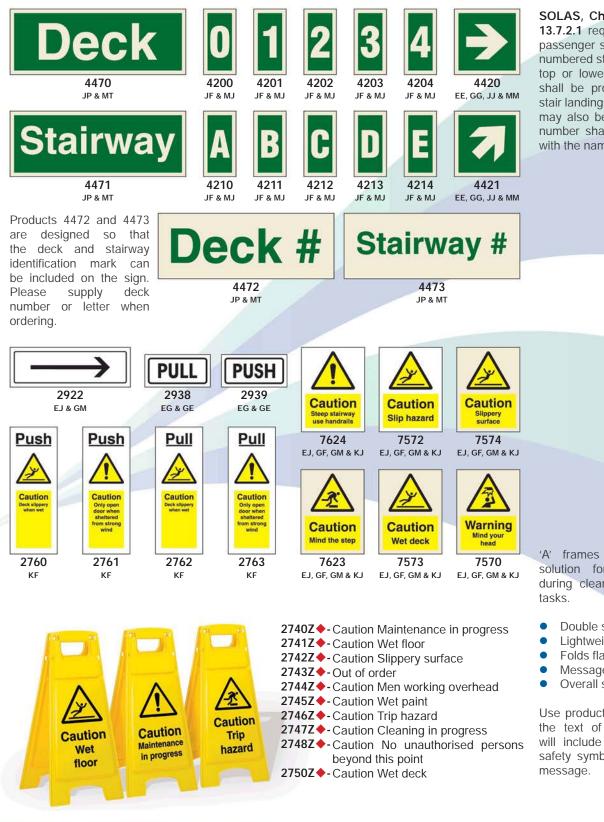


Accommodation signs





Accommodation signs



SOLAS, Chapter II-2, Regulation 13.7.2.1 requires decks on Ro-Ro passenger ships to be sequentially numbered starting with 1 at the tank top or lowest deck. The numbers shall be prominently displayed at stair landings and lift lobbies. Decks may also be named, but the deck number shall always be displayed with the name.

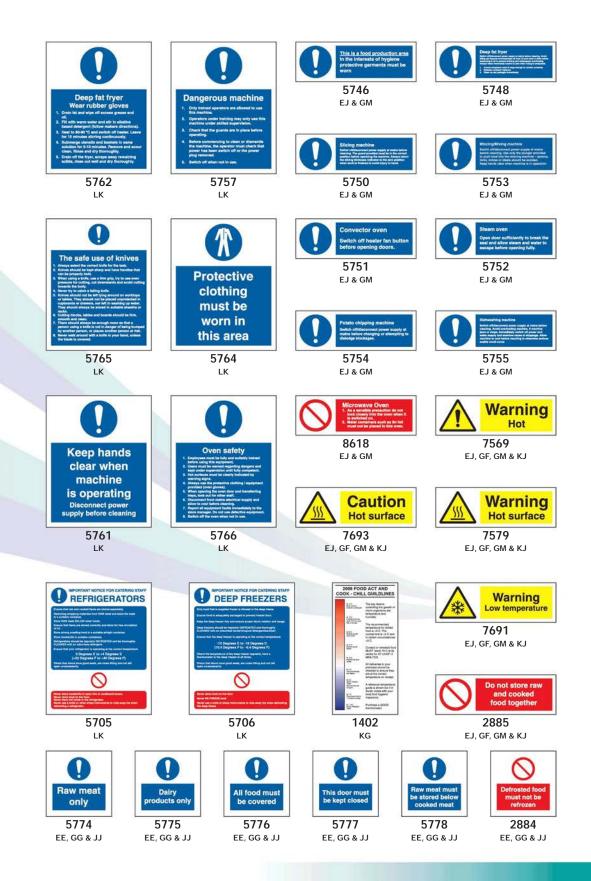
'A' frames provide the perfect solution for temporary signage during cleaning and maintenance

- Double sided
- Lightweight
- Folds flat when not in use
- Message area: 375 x 205mm
- Overall size: 660 x 305mm

Use product code 2749Z + adding the text of your choice and we will include the most appropriate safety symbol to accompany your

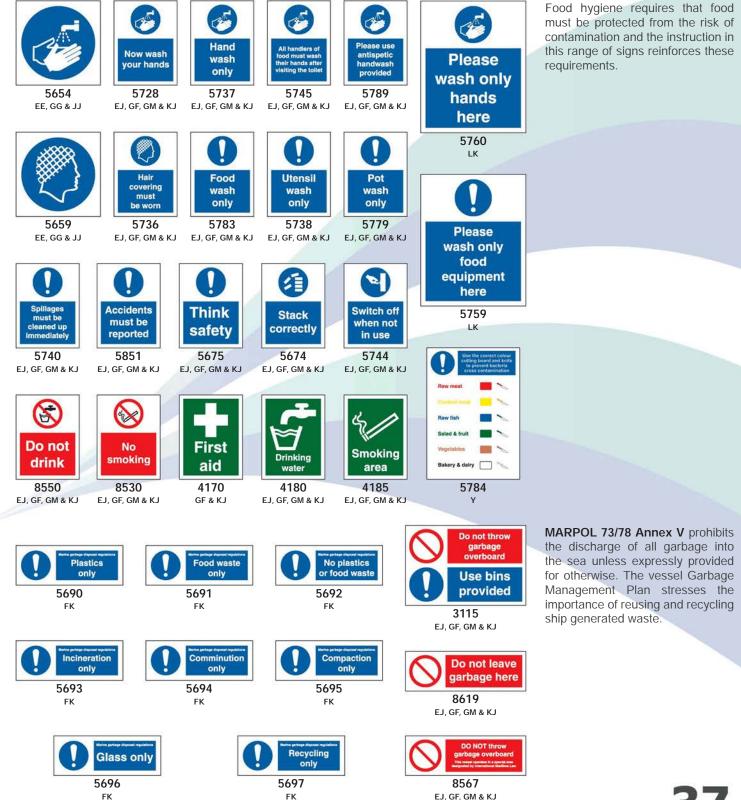


Galley signs





Galley signs





Deck & Engine room signs

Cargo control

specifically designed Signage with deck and machinery room operations in mind are rehere for ease of reference

Ships office

reproduced	Ships Of	lice	room	Sulety it	JCKEI	CARGO SURVEYORS & TERMINAL REPRESENTATIVES shall be guided by vessel's staff	
ice.	2874		2878	2879		before commencement of any operation, such as: Sampling	
	EJ & GM		EJ & GM	EJ & GI	N	Gauging Hose connection Tank entry Opening of any cargo	
	Office	•	Engine control room		on control ipment	hatches, ullage-openings etc. Any surveyors or terminal representative failing to comply with this instruction will be requested to leave the vessel immediately	
	2908		2877	4181		2701	
	EJ & GM		EJ & GM	EJ, GF, GM	& KJ	IJ	
	Warning Mode anternas to be earthed during cargo Barbed during cargo Barbed Barber Barbed Barber Bar	Warning Oxygen EJ, GF, GM & K	Warning Acetylene J EJ, GF, GM & KJ	Danger You are entering a Co, protected area 7545 EJ, GF, GM & KJ		Warning Dangerous cargo No visitors No smoking No naked lights	
	Do not enter the pump-room. With the state of the B546 EJ, GF, GM & KJ	No hot work 8539 EJ, GF, GM & K	No workwear beyond this point 8574 EJ, GF, GM & KJ	Switch off mobile phones, pagers, cameras etc. B570 EJ, GF, GM & KJ		io mobile phones, pagers or other electronic except in specified areas International shore connection is located at: <u>MASTER</u> 3014 000x600mm)	
by a fixed extinguishing all entrance irked by the	Co Co Decaded and Decaded and	Constants when we want the second sec	The formula of the fo	Log GF, GM & KJ		Danger Confined space Do not enter without a permit to work 3110 (M & PR	
	When the plant Is not in use gas cylinder valves and other valves must be shut 5873 EJ, GF, GM & KJ	Ventilation to be used prior to entry 5852 EJ, GF, GM & K	Life jackets to be worn 5790 EJ, GF, GM & KJ	Parsonal protective equipment is provided. USE IT S678 EJ, GF, GM & KJ		Danger Confined space No unauthorised entry 3120 KM & PR	
	Man overboard 1. Trove lifebuoy. 2. Keop man in sight. 3. Inform the bidger or wetch. 4. State man overboard	Resc boat lau		iferaft inching Advantations Market and the test in and the test and the test in a state of test in a state in a state of test in a state in a state of test in a state of test in a state in a state of test in a state of tes	Lifeboat launching	Secure painter to strong point before launching	

Any space protected I gas 'blanketing' fire ex system must have all doors and hatches mar appropriate sign.



EJ, GF, GM & KJ

FG & JK



5111

FG & JK

5112

FG & JK



SAFE OPERATION

CARGO SURVEYORS &

Safety locker

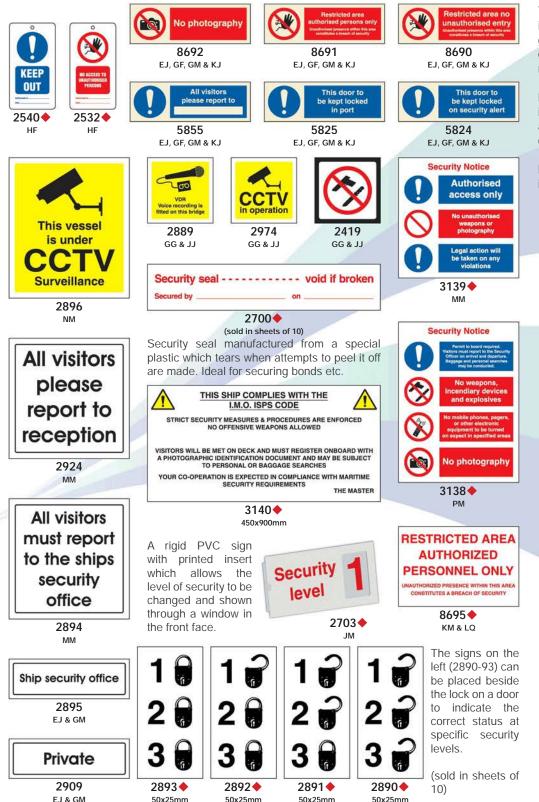
5875 EJ, GF, GM & KJ

30





ISPS Code signs



The **ISPS Code** came into force in July 2004, Part B contains guidelines regarding the provisions of **SOLAS**, **Chapter XI-2** and the mandatory Part A of the code.

Part B, **Section 9** requires the identification of restricted areas, access notices and forms of declaration for ships.

Part B, Section 16 requires similar identification for port facilities.





SOLAS regulations and many IMO resolutions make reference to the requirements for providing

information in the working language of the vessel. Internationally recognized symbols assist with



Vessel graphics - Bespoke signs / Alternative languages

The collection of signs and posters displayed in the Maritime Progress book has been developed over many years and will meet the majority of vessel requirements. Occasionally signs and instructions that are specific to a particular ship or group of ships are required. In order to provide a timely cost effective service these special low volume products are produced using digital equipment.

Investment in specific high quality digital equipment has enabled the production of these 'one off' products to be economically viable. Quality prints can be produced on numerous different materials including brass, stainless steel, Perspex, etc.

Colour matching to existing signage and corporate colours is easily achieved.

Reproduction of operating instructions to customers own designs or providing advice by making reference to our extensive library of previous work can be achieved on a number of different materials. <complex-block>



Selected ISM *Safety* WORKS posters have been translated into languages other than English contact your supplier for an up to date list.



this task however certain situations require the written word.







Vessel graphics - Vinyl cut lettering / Engraved signs

Life Saving Appliance marking is easily achieved using vinyl cut lettering stencils.

SOLAS Chapter III Regulation 7.1.4 requires lifebuoys to be marked with the name and port of registry of the ship on which it is carried.

LSA Code Chapter 4.4.9.3 requires that the ship to which the lifeboat belongs and the number of the lifeboat is marked and visible from above.

LSA markings are supplied in black upper case Aerial font unless requested otherwise. When ordering for a lifebuoy please provide both the inside and outside diameter so that an accurate stencil can be produced.

Our state of the art vinyl cutter produces letters in any font and to a maximum size of 1600mm. Vinyl is available in many different colours, therefore vinyl cut letters can fulfill a number of different bespoke functions. Reflective vinyl is used when a message is required to be read in limited light conditions.



To order please provide the content of the stencil, the colour and finish of the vinyl, preferred font and size of the lettering. For example lifebuoy lettering for the MV Maritime Progress:

Vessel – MV MARITIME PROGRESS Port of registry – LONDON Colour/finish of vinyl – Black gloss Font and size – 50mm Arial UPPER CASE Lifebuoy – Outside diameter 800mm – Inside diameter 400mm.

<image>

Vynalast engraving laminate (EL) has been specifically developed for use in harsh marine environments. The material is particularly suitable for use on exposed decks due to its superior ultraviolet performance and resistance to salt water.

Vynalast engraved signs can be formed and bent to allow fixing to a variety of different shaped objects such as pipes and curved bulkheads. Easily guillotined and sawn it can be cut to size and drilled onboard if necessary. The signs are available in either gloss or satin finish.

Vynalast photoluminescent engraving laminate (EP) combines all of the properties featured in standard Vynalast, this has a glow in the dark core that absorbs ambient light, releasing it slowly when the light source is removed.



When ordering engraved signs please provide the following information:

- Required material
- Required text/detail
- Sign dimensions
- Colour of text
- Colour of background
- Required finish (gloss or satin)

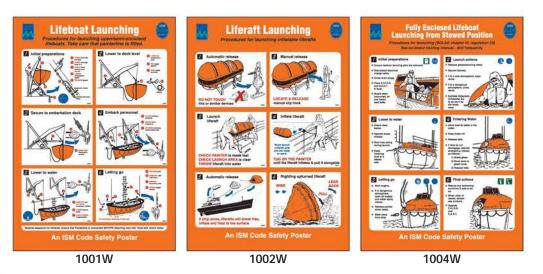
Signs can be engraved on virtually any substrate, often used for decoration as well as being informative they provide a tough and durable alternative to printed signs. If you have other requirements please contact us to discuss.



Posters - Operating instructions

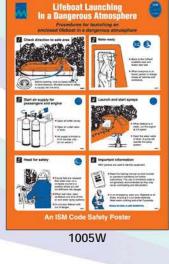
SOLAS Chapter III, Regulation 9 requires posters or signs to be provided on or in the vicinity of survival craft and their launching controls.

These posters illustrate the purpose of controls and the procedures for operating the appliance and give relevant instructions or warnings.





Selected ISM *Safety* WORKS posters have been translated into languages other than English please enquire with regard to availability.



1047W







1073W

1080W







Posters

- Emergency preparedness



1016W





SOLAS Chapter III, Regulation 19 requires every crew member to participate in at least one abandon ship drill and one fire drill every month.

SOLAS Chapter III, Regulation 30 states that on passenger ships an abandon ship drill and fire drill shall take place weekly.



SOLAS Chapter V, **Regulation 29** requires an illustrated table describing the life saving signals to be readily available to the Officer of the Watch.

Our double sided SOLAS card – 1059Z and poster 1058W has been confirmed as accurate in the UK by MCA and free of copyright issues by HMSO. MPL holds the right to reproduce these designs.

<section-header>

1059Z (Double sided)



SOLAS Chapter III contains regulations for Life Saving Appliances. In particular Regulation 8 requires the display of a Muster list – 1012X on the bridge, in crew accommodation spaces and in the engine room.

1012X (includes pen)



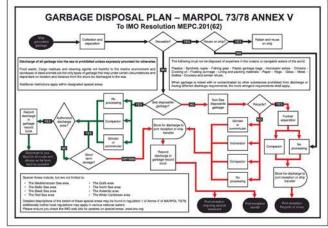
Posters - Pollution prevention

MARPOL Annex V, Regulation 10 requires certain ships and offshore units to use placards and plans to

advise passengers and crew of the garbage disposal regulations.

Don't throw garbage overboard WITHIN 3 MILES OF LAND sting against

1042Y



1029X

USA Navigable Waters CFR, Title 33 – Part 155 Oil or hazardous materials pollution prevention requires a Discharge of Oil Prohibited placard - 1043Y to be displayed.



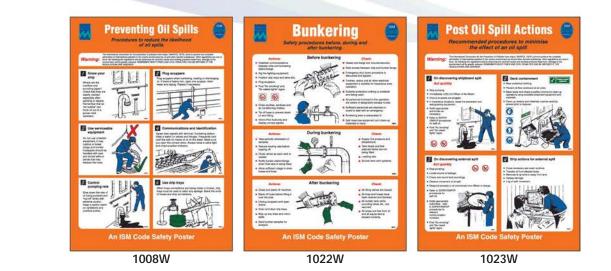
(800) 424-8802

1043Y



Hazard Dia



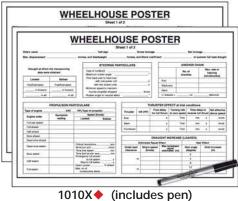


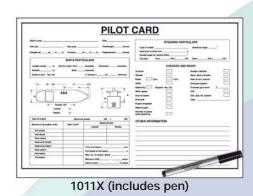






Posters - Bridge procedures

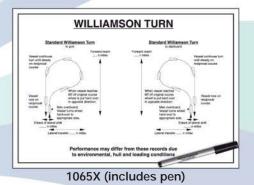




IMO Resolution A601(15) requires the use of a Pilot card - 1011X, and a Wheelhouse poster - 1010X.

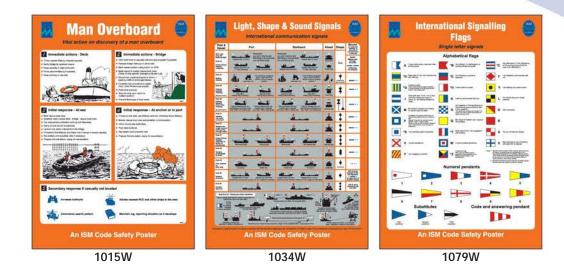


1026X (encapsulated paper)



SOLAS Chapter V, Regulation 23 details the requirements for pilot transfer. Poster 1026X gives guidance to the crew in accordance with the recommendations on pilot transfer adopted by IMO resolution A.1045(27).

Poster 1065X - Williamson Turn provides clear information for the Officer of the Watch for when this manoeuvre may be required.



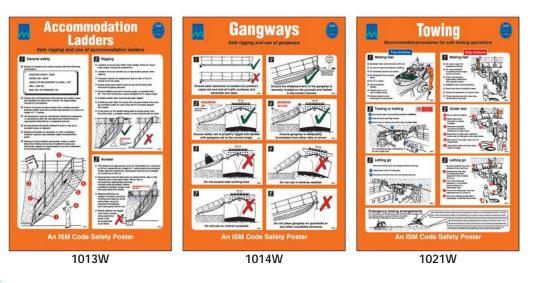


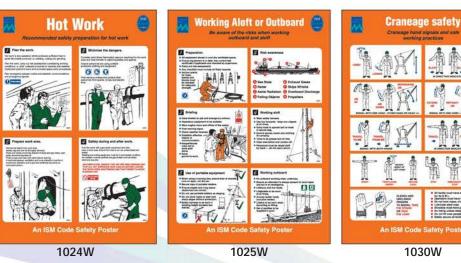


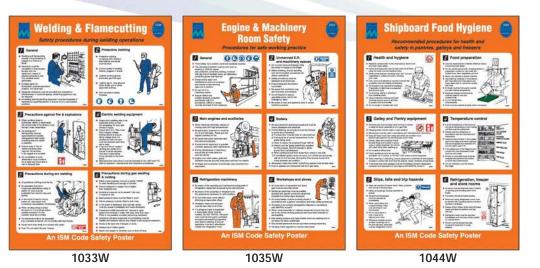


Posters - Operational safety

Fully researched in line with industry best practice these posters are designed as a training aid in compliance with the **ISM Code**. They assist the ship owner/operator to fulfill his obligation by providing practical information on common shipboard tasks. The posters reinforce training and promote discussion among the crew.





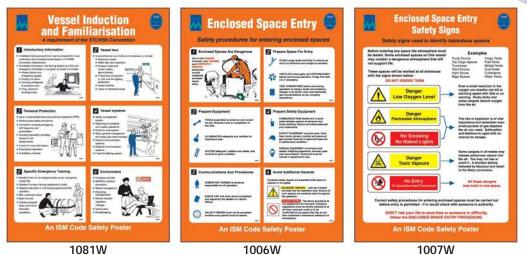




Posters - Operational safety









The ISM *Safety* WORKS series of posters and manuals are covered by copyright and may not be reproduced without the written permission of Maritime Progress Ltd.



Posters - Health & safety awareness

Designed to give essential safety advice and information to crew members with regard to tasks not normally associated with the day to day running of the vessel. These posters are used as aids during training sessions and useful reminders long after the training has been completed.



1070W



important The warning message on posters 1037 and 1039 is reproduced on smaller posters 150 x 105mm specifically designed for the cabin.



These posters give clear indication to the meaning of internationally recognised signs and symbols. They are invaluable as part of the onboard system to provide clear guidance to crew and passengers.





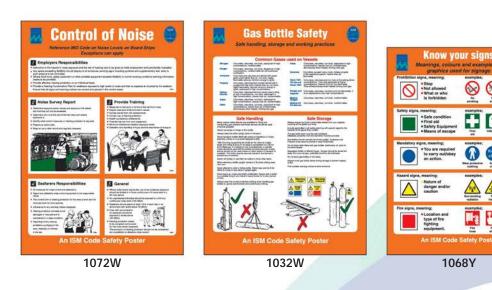


Fire Extinguisher Types F





Posters - Health & safety awareness



SOLAS Chapter II-2, Regulation 15 requires crew members to receive instruction on fire safety and be familiar with the arrangements of the ship as well as the location and operation of fire-fighting systems and appliances.

Popular types of five estinguishers and types of five to which they are suited							
BATER REAL Proof page and Real Proof Page and Page Page Page Page Page Page Page Page	Ax T	ivnes o	f mode	rn fire e	vtingui	shere	
FORM SPILAR SALE SALE SALE SALE SALE SALE SALE SALE							
	Water extinguisher	Foam extinguisher	Powder extinguisher	CO ² extinguisher	Wet chemical extinguisher	Fire bianket	
CARDON DODOR DODOR DODOR DODOR DE DODOR DE DODOR DE DODOR DE DODOR DE DODOR DE DODOR DE DODOR DE DODOR DE DODOR	Safe for Use on wood,	Safe for use on wood, paper & fabric Gree	The for you an wood, page 2 the for you an	Safe for use on flammable liquid fires	Safe for use or wood, paper à tabric fire		
VIT CHEMAL IN	wood, paper & fabric fires	Safe for use on flamenable liquid fires	Safe for use an previous fires	Sele for use on electrical fires	Eafe for use on cooking only and deep ful tryers	QU	
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1027Y	of Reservative Health Des.	Reservable metal from.	142	6KP	er fannelde figelit fres.	coldres are lunning	ļ



- 1100W Eye protection
- 1101W Prevent fire
- 1102W Workshop house keeping
- 1103W Hazardous materials

- 1104W Lifting 1105W Slips and falls 1106W Correct procedures
- 1107W Medical attention
- 1108W Confined spaces
- 1109W Personal protective equipment
- 1110W Electrical safety
- 1111W Noise awareness

The "Think Safety" range of posters have been designed to reinforce the requirement of the ISM code for safety awareness training focusing attention on the most common health and safety issues found onboard.



Safety WORKS Manuals

Fire Training Manual – PB1258Z +

Complies with SOLAS, Chapter II-2, Regulation 15.2.3. This generic illustrated manual covers the basic fire fighting training requirements of SOLAS in easily understood terms. Supplied as a ring binder it has sections arranged for inclusion of ship specific information allowing the manual to be tailored to the specific vessel and easily updated by ships' staff.

SOLAS Manual – 1250Z

Complies with SOLAS, Chapter III, Part B, Regulation 35. This generic illustrated manual covers the basic life saving appliance training requirements of SOLAS in easily understood terms. Again supplied as a ring binder it has sections arranged for inclusion of ship specific information allowing the manual to be tailored to the specific vessel and easily updated by ships' staff.

Emergency instructions

SOPEP Manual – PB1254Z ◆

Complies with MARPOL 73/78, Annex 1, Regulation 37 requiring every oil tanker of 150 tons gross and above, and every ship of 400 tons gross and above to carry a shipboard oil pollution emergency plan, approved by the Administration. This generic manual, supplied as a ring binder, satisfies the above MARPOL regulations once basic ship specific information has been inserted by ships' staff. It contains useful check lists covering various oil spill scenarios.

SMPEP Manual – PB1252Z

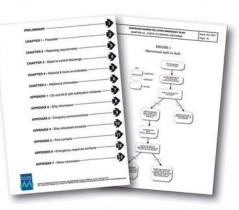
Complies with MARPOL 73/78, Annex II, Regulation 17 in addition to the SOPEP requirement this regulation requires any ship of 150 tons gross and above, certified for the carriage of noxious liquid substances in bulk to have a shipboard marine pollution emergency plan approved by the Administration. This generic manual, supplied as a ring binder, satisfies the above MARPOL regulations once basic ship specific information has been inserted by ships' staff. It contains useful check lists covering various oil and chemical spill scenarios.

Fire prevention

- Fire extinction
- Fire equipment

- Personal safety
- Life saving appliances









MARITIME

PROGRESS

not be English.

ISM

VORK

The **Safety WORKS** series of manuals and record books produced by Maritime Progress complement

existing ISM Management Systems

and are used in conjunction with

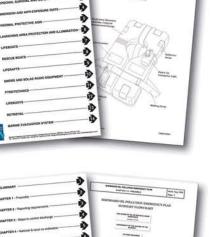
Publications and posters are written

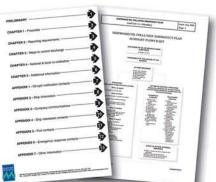
in the easily understood Safety

WORKS format which is ideal for

seafarers whose first language may

ISM Safety WORKS posters.







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Record books & booklets

Garbage Management Plan & Record Book – PB1256Z

Complies with **MARPOL 73/78**, **Annex V**, **Regulation 10**. This plan, supplied as a ring binder, is generic in nature with provision made for inclusion of ship specific information thereby customising the plan to individual vessels as required by the above regulations.

Garbage Record Book – PB1203Y ◆

Complies with MARPOL 73/78, Annex V, Regulation 10. A record is to be kept of each discharge operation or completed incineration. This includes discharges into the sea, to reception facilities or to other ships, as well as the accidental loss of garbage.

Water Ballast Record Book – PB1204Y

Complies with **IMO Resolution A.868(20)**. A record is to be kept of each water ballast operation. This includes loading, exchanging and discharging ballast. The completed ballast water reporting form is to be provided to Port State Authority upon request.

ISPS Code Declaration of Security Record Book – PB1205Y♦

Complies with International Ship and Port Facility Security Code, Part A, Section 5. Each page provides the framework for a declaration of security to be made between the ship and a port facility or other ship.

Survival Booklet – PB1201Z

Complies with IMO Resolution A.657(16) and LSA Code, Chapter IV, Regulation 4.1.5.1.22 and 4.4.8.4. Printed on water proof card and suitable for both lifeboats and liferafts.

Welcome on Board Booklet – PB1280Z ◆

The booklet offers basic safety information to personnel joining a vessel and requires that they fill in ship specific information that can be retained for future reference. A detachable slip in each booklet provides the Safety Officer with a signed record that basic safety training has been received by each crew member.















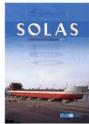




IMO Publications



Maritime Progress is appointed as an IMO publication distributor. All IMO publications can be sourced if required. Lead time for these publications is normally 5-10 days.



MARPOL

MARITIME SECURIT

SOLAS, Consolidated Edition 2009

Arabic IE110A♦ Chinese IE110C♦ English IE110E♦ French IE110F♦ Russian IE110R♦ Spanish IE110S♦

MARPOL, Consolidated edition 2011

Arabic ID520A♦ English ID520E♦ French ID520F♦ Spanish ID520S♦

IMDG Code (including Amendment 36-12), 2012 Edition

English II200E



Collision Regulations Convention (COLREGS), 2003 Edition

English IB904E♦ French IB904F♦ Spanish IB904S♦

International Code of Signals, 2005 Edition

English IA994E♦ French IA994F♦ Spanish IA994S♦



Arabic I116A♦ Chinese I116C♦ English IA116E♦ French IA116F♦ Spanish I116S♦

ISPS Code, 2012 Edition

Guide to Maritime Security &

ISM Code & Guidelines, 2010 Edition English IB117E♦ French IB117F♦



STCW including 2010 Manila Amendments, 2011 Edition

Arabic IC938A♦ Chinese IC938C♦ English IC938E♦ French IC938F♦ Spanish IC938S♦

International Conference on Load Lines, 2005 Edition

Chinese IB701C♦ English IB701E♦ French IB701F♦ Spanish IB701S♦



English ID927E



Life-Saving Appliances LSA Code, 2010 Edition English ID982E♦

English ID982E◆ French ID982F◆ Spanish ID982S◆

Spanish IB117S +



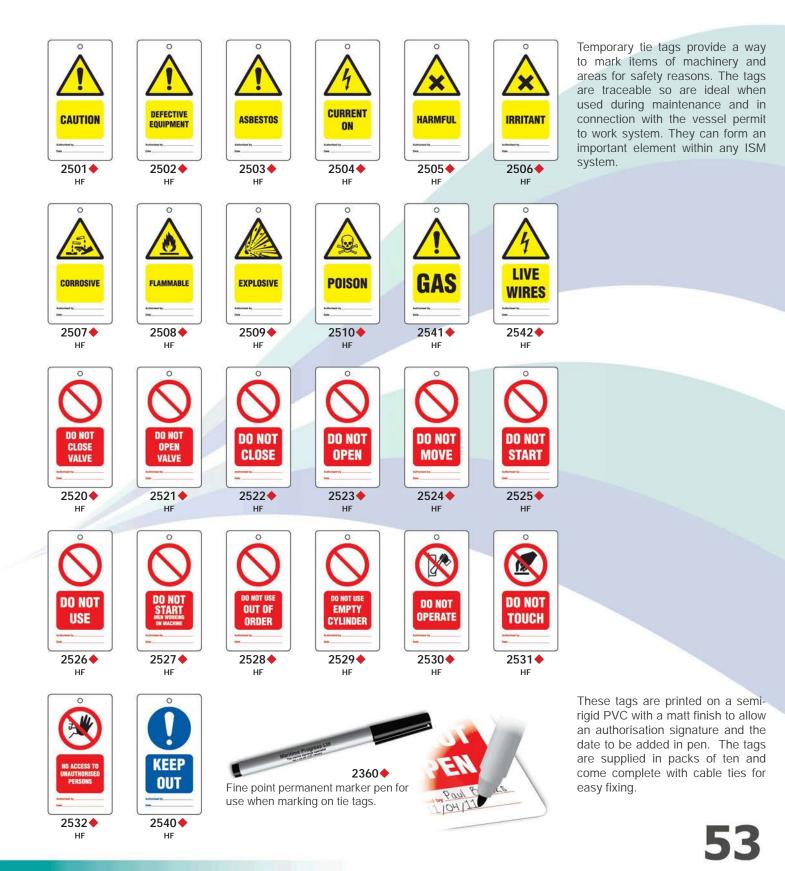
Fire Safety Systems (FSS) Code, 2007 Edition English IA155E♦ French IA155F♦ Spanish IA155S♦







Temporary tie tags









Tapes

Generally photoluminescent tape is used for two main duties, marking means of escape (see pages 10 to 12) and area identification in the event of a 'black out'. Area identification will assist crew and passengers locate emergency equipment in the event of a 'black out'.

Installers must ensure adequate light is available to activate the photoluminescent material to attain the required performance.



The vinyl tape is a laminated PVC composite material incorporating a photoluminescent layer thermally welded to a white reflective layer, backed with pre-applied adhesive. Luminance performance in excess of 46mcd/m2 @ 10 minutes and 4mcd/m2 @ 60 minutes when tested in accordance with DIN 67510-1 Part 1.

PV 2014 - 40mm wide x 10m PV 2018 - 80mm wide x 10m

Photoluminescent self adhesive vinyl tape for marking safe areas (Green), marking danger zones (Black) and highlighting fire fighting equipment (Red).

Green	Black	Red
PV 2034	, 2044 🔶	, 2054 - 40mm wide x 10m
PV 2038	2048	, 2058 - 80mm wide x 10m



ST2000 - Self adhesive SOLAS tape, a retro-reflective tape used for marking of Life Saving Appliances (LSA) as required by SOLAS and IMO Resolution A.658(16)

ST 2000 - 50mm wide x 45m

Reflective self-adhesive tapes supplied for use in limited light conditions. Used for hazardous area marking (Black/ Yellow) and no entry (Red/White).

Red and White - CV 2059♦ - 50mm wide x 10m Black and Yellow - CV 2011 + - 50mm wide x 10m

CV 2012 - 100mm wide x 10m CV 2013 + - 150mm wide x 10m





Non self adhesive polyethylene supplied for marking hazardous areas (Black/Yellow) and no entry marking (Red/White)

Red and White - CV 2005 + - 70mm wide x 500m Black and Yellow - CV 2006 + - 70mm wide x 500m



Pipe identification tape - ISO 14726

Main colour	<mark>∢^{50mm}≻</mark>	Product colour	RAL	Pantone (PMS)
Black		CV 2140	9005	Black c
Blue		CV 2141 🔶	5015	2925 c
Brown		CV 2142	8001	154 c
Green	Î.	CV 2143🔶	6018	362 c
Grey		CV 2144🔶	7001	430 c
Maroon	1	CV 2145🔶	8015	490 c
Orange		CV 2146	2003	158 c
Silver		CV 2147 🔶	9006	877 c
Red		CV 2148	3000	1797 с
Violet		CV 2149	4001	2633 c
White		CV 2150	9010	White c
Yellow-ochre		CV 2151	1021	116 с
Flow arrows	******	CV 2130	-	-

Decontamination water

Pipelines should be marked at least once in each space; at each penetration point in bulkheads and decks, close to each valve and within a distance of 3-5m along the length of the pipeline. Local conditions may require more marking due to pipe bends or the close proximity of pipes for different services.

50mm

50mm

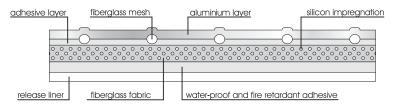
50mm

50mm

Prior to application, pipes should be dust and oil free. The tape should overlap by at least 20mm on the 'blind side' of the pipe, however on pipes with an external circumference of over 200mm the tape only needs to cover half the circumference of the pipe.

MAREFLEX Anti-Spray Tape

Protects engine pipeline installations against leakage in accordance with **SOLAS Chapter II-2**, **Regulation 4.2.2.5.3**. The anti-spray tape directs any potential leakage to areas where flammable substance will not be dangerous. Enhanced with a fire retardant (self extinguishing) adhesive layer which is also water resistant. The tape has a temperature range of up to 150°C)





AS 2003♦ - 50mm wide x 10m AS 2004♦ - 100mm wide x 10m





Pipe identification tape - to ISO 14726

ISO:14726 Ships and marine technology Identification colours for the content of piping systems.

This International standard provides identification colours for the content of piping systems. All the current permutations are shown on these two pages.

This system is not intended to identify medical or industrial gasses or ships cargo.

Flow arrows Flow arrows Waste media Black water Waste oil/Used oil Bilge water Exhaust gas Grey water Sewage-contaminated Fresh water Fresh water, sanitary Potable water Distillate Gas turbine fresh water Feed water Cooling fresh water Cooling fresh water Cooling fresh water Sea water

Decontamination water Sea water, sanitary Ballast water Cooling sea water

Fuel

Heavy fuel oil (H.F.O.) Aviation fuel **Biological fuel** Gas turbine fuel Marine diesel fuel (M.D.O.)

Non-flammable gasses

Oxygen
Inert gas
Nitrogen
Refrigerant
Compressed air-low pressure
Compressed air-high pressure
Control air/Regulating air
Breathing air*
Breathing gas*

Oil other than fuel

Thermal fluid Lubrication oil for gas turbines Hydraulic fluid Lubrication oil for steam turbines Lubrication oil for gears Lubrication oilf for combustion engines

Ref. Nos. 2130

Ref. Nos.

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2140-2141-2140 2140-2142-2140 2140-2143-2140 2140-2144-2140 2140-2150-2140 2140-2151-2140

Ref. Nos. 2141-2142-2141 2141-2143-2141 2141-2144-2141 2141-2146-2141 2141-2147-2141 2141-2149-2141 2141-2150-2141 2141-2151-2141

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Ref. Nos.
2146-2141-2146
2146-2143-2146
2146-2144-2146
2146-2147-2146
2146-2149-2146
2146-2151-2146

* Intended for use in submarines for distribution systems used for breathing from air cylinders



Pipe identification tape - to ISO 14726

Air in ventilation systems Discharge air Mechanical supply air-cold	Ref. Nos. 2150-2140-2150 2150-2141-2150
Natural exhaust air Atmospheric air Mechanical exhaust air	2150-2142-2150 2150-2143-2150 2150-2144-2150
Decontaminated supply air Mechanical recirculated air Mechanical supply air-warm	2150-2145-2150 2150-2146-2150 2150-2147-2150
Smoke clearances Conditioned supply air Natural supply air	2150-2148-2150 2150-2149-2150 2150-2151-2150
Fire fighting / fire protection	Ref. Nos.
Fire fighting water Fire fighting gas Sprinkler water	2148-2143-2148 2148-2144-2148 2148-2146-2148
Spray water Fire fighting powder Fire fighting foam	2148-2149-2148 2148-2150-2148 2148-2151-2148
Air and sounding pipes	Ref. Nos.
Waste media Fresh water Fuel Sea water	2145-2140-2145 2145-2141-2145 2145-2142-2145 2145-2142-2145 2145-2143-2145
Non-flammable gases Oil other than fuels Steam	2145-2144-2145 2145-2146-2145 2145-2146-2145 2145-2147-2145
Fire fighting Acids and Alkalis Ventilation systems Flammable gases	2145-2148-2145 2145-2149-2145 2145-2150-2145 2145-2150-2145 2145-2151-2145
riaminable gases	
Flammable gases Hydrogen Acetylene Liquid gas	Ref. Nos. 2151-2141-2151 2151-2144-2151 2151-2149-2151
Steam Steam for heating Exhaust steam Supply steam	Ref. Nos. 2147-2140-2147 2147-2150-2147 2147-2151-2147

Acids, Alkalis Acids, Alkalis Ref. Nos. 2149







Pipe identification tape

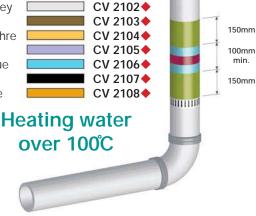
Pipe identification tape to **BS 1710:1984** is offered on this page.

The identification banding is at least 400mm wide therefore tapes of 150mm wide (CV2101 to CV2108) are available in compliance with this standard. Sub category identification of content is done using 50mm tape (CV2111 to CV2121). All tapes are 30m long.

Identification should be fitted either side of valves, at bulkhead penetrations, T-joints, etc. and at regular intervals along the pipe.

Prior to application, pipes should be dust and oil free. The tape should overlap by at least 20mm on the 'blind side' of the pipe.





Product

colour

CV 2101

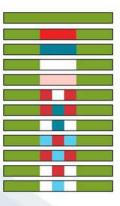


Oils Furnace

Diesel Lubricating Hyrdaulic power Transformer

Gases Compressed air Vacuum Steam Refrigerant 12 Refrigerant 22 Refrigerant 502 Anhydrous ammonia Other refrigerants Natural gas

Others Drainage Elec. conduits & ventilation ducts Acids and alkalis Flow direction arrows



Ref. Nos. 2101-2101-2101 2101-2111-2111-2101 2101-2113-2113-2101 2101-2117-2117-2101 2101-2116-2116-2101 2101-2114-2117-2114-2101 2101-2114-2115-2114-2101 2101-2118-2114-2118-2101 2101-2118-2114-2118-2101 2101-2117-2114-2117-2101 2101-2117-2118-2117-2101

Ref. Nos. 2103-2103-2103 2103-2117-2117-2103 2103-2115-2115-2103 2103-2116-2116-2103 2103-2114-2114-2103

Ref. Nos. 2106-2106-2106 2106-2117-2117-2106 2102-2102-2102-2102 2104-2118-2118-2104 2104-2119-2119-2104 2104-2120-2120-2104 2104-2121-2121-2104 2104-2115-2115-2104 2104-2112-2112-2104

> Ref. Nos. 2107-2107-2107 2108-2108-2108 2105-2105-2105 2130







Fixings and frames



Magnetic sticky strips – 2800Z

For fixing signs to metal doors and bulkheads. Useful where signs need only be temporarily displayed. Sold in packs of 10 they are 300mm long and can be cut to length.



An acrylic adhesive pad offers a strong permanent bond for fixing signs to all surfaces. Sold in sheets of 50 pads.



Sign adhesive – 2802Z +

A solvent based gunning adhesive offering the strongest fixing to all types of surface.

Applicator gun – 2803Z

FIRE PLAN

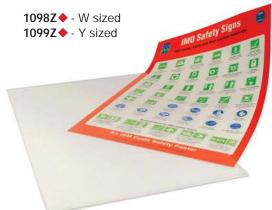
SupaSlim Frames

These frames are manufactured from an aluminum extrusion and finished in a smart silver anodised coating, available in a variety of sizes to suit our standard sign range. Suspended versions are supplied complete with hooks and suspension wires.

2820♦ - To suit sign size GM (100x300mm) **2821**♦ - To suit sign size JP (150x400mm) **2822**♦ - To suit sign size JM (150x300mm)

Poster display unit

Interchangeable acrylic poster display units enable a selection of posters to be displayed in a permanent position and changed on a regular basis.



2823 ◆ - To suit sign size KP (200x400mm) 2824 ◆ - To suit sign size KR (200x600mm) 2825 ◆ - To suit sign size LK (250x200mm)

Fire & Safety Plan Holder

SOLAS Chapter II-2, Regulation 15.2.4.2 requires a duplicate set of fire plans be permanently stored in a weather tight enclosure for the assistance of shore-side fire fighting personnel.

Two UPVC holders with weatherproof screw end caps have been specifically designed to comply with these requirements. The larger holder $(2613Z \blacklozenge)$ has a length of 1m and diameter of 110mm enabling fire plans up to size A0 to be accommodated without the need to fold the plan. Vessels with fire plans that are not as large or have plans that can be folded can make use of the smaller

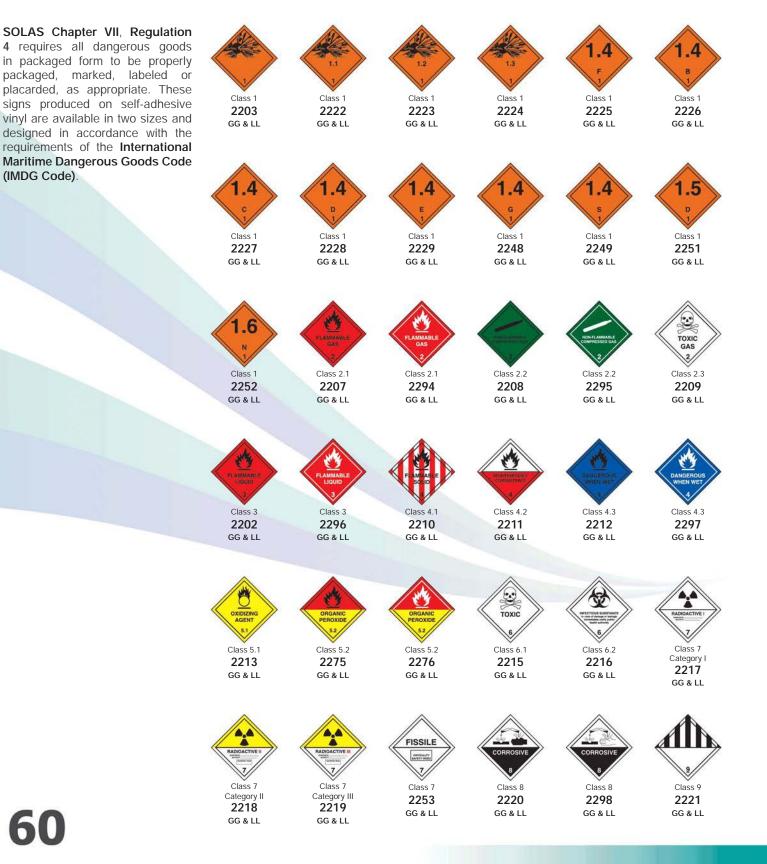
FIRE PLAN

holder (2610Z •) which has a length of 345mm and diameter of 125mm.



IMDG Hazardous substance signs

- With class numbers





IMDG Hazardous substance signs - With panel for UN numbers

