



# THE MARITIME PROGRESS BOOK

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.





# 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.



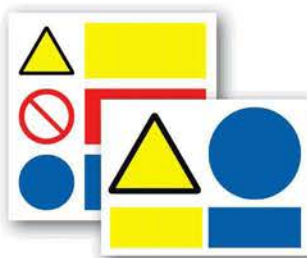
### Safe condition - escape route signs

- 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/m<sup>2</sup> @ 10 mins. and 4mcd/m<sup>2</sup> @ 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

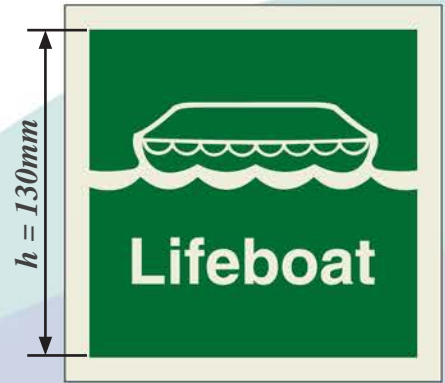
## - Installation

### 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  $Z_0$  and an example of the formula is given here. For calculation of viewing distance given a specific situation please contact your sign supplier.

$$l = Z_0 h$$

$l$  = Viewing distance (mm)  
 $Z_0$  = Distance factor taking into account light levels and viewing angle. (ISO:3864-1:2011).  
 $h$  = Symbol height (mm)



$Z_0 = 60$  (general value as defined in ISO 3864-1:2011)



$$\begin{aligned} \text{Viewing distance} &= Z_0 h \\ &= 60 \times 130 \\ &= 7800\text{mm (7.8M)} \end{aligned}$$

### 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).

MSC / Circ. 777 advises that "Assembly station" has the same meaning as "Muster station".

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.

 <b>Lifeboat</b>	 <b>Rescue boat</b>	 <b>Liferaft</b>	 <b>Davit launched liferaft</b>	 <b>Embarkation ladder</b>	 <b>Evacuation slide</b>
<b>4100</b> EE, GG, JJ & MM	<b>4101</b> EE, GG & JJ	<b>4102</b> EE, GG, JJ & MM	<b>4103</b> EE, GG & JJ	<b>4104</b> EE, GG & JJ	<b>4105</b> EE, GG & JJ
 <b>Lifebuoy</b>	 <b>Lifebuoy with line</b>	 <b>Lifebuoy with light</b>	 <b>Lifebuoy with light and line</b>	 <b>Lifebuoy with light and smoke</b>	 <b>Lifejacket</b>
<b>4106</b> EE, GG & JJ	<b>4107</b> EE, GG & JJ	<b>4108</b> EE, GG & JJ	<b>4134</b> EE, GG & JJ	<b>4109</b> EE, GG & JJ	<b>4110</b> EE, GG, JJ & MM
 <b>Child's lifejacket</b>	 <b>Infant's lifejacket</b>	 <b>Large lifejacket</b>	 <b>Immersion suit</b>	 <b>Survival craft portable radio</b>	 <b>EPIRB</b>
<b>4111</b> EE, GG & JJ	<b>4142</b> EE, GG & JJ	<b>4143</b> EE, GG & JJ	<b>4112</b> EE, GG & JJ	<b>4113</b> EE, GG & JJ	<b>4114</b> EE, GG & JJ
 <b>Radar transponder</b>	 <b>Survival craft distress signal</b>	 <b>Rocket parachute flares</b>	 <b>Line-throwing appliance</b>	 <b>Assembly station</b>	 <b>Muster station</b>
<b>4115</b> EE, GG & JJ	<b>4116</b> EE, GG & JJ	<b>4117</b> EE, GG & JJ	<b>4118</b> EE, GG & JJ	<b>4119</b> EE, GG, JJ & MM	<b>4141</b> EE, GG, JJ & MM
 <b>Evacuation chute</b>	 <b>Stretcher</b>	 <b>Thermal protective aid</b>	 <b>Anti-exposure suit</b>	 <b>Medical locker</b>	 <b>Rescue boat Max. 2 persons during lowering and recovery</b>
<b>4120</b> EE, GG & JJ	<b>4121</b> EE, GG & JJ	<b>4125</b> EE, GG & JJ	<b>4126</b> EE, GG & JJ	<b>4127</b> EE, GG & JJ	<b>4128</b> EE, GG & JJ
 <b>EEBD</b>	 <b>Emergency telephone</b>	 <b>Voyage data recorder</b>	 <b>Embarkation rope</b>	 <b>Emergency torch</b>	 <b>Signal lamp</b>
<b>4129</b> EE, GG & JJ	<b>4131</b> EE, GG & JJ	<b>4157</b> EE, GG & JJ	<b>4144</b> EE, GG & JJ	<b>4145</b> EE, GG & JJ	<b>4146</b> EE, GG & JJ

 <b>Fasten seat belts</b>	 <b>Secure hatches</b>	 <b>Start engine</b>	 <b>Lower lifeboat</b>	 <b>Lower liferaft</b>
<b>5100</b> EE, GG & JJ	<b>5101</b> EE, GG & JJ	<b>5102</b> EE, GG & JJ	<b>5103</b> EE, GG & JJ	<b>5104</b> EE, GG & JJ
 <b>Lower rescue boat</b>	 <b>Release falls</b>	 <b>Start water supply</b>	 <b>Start air supply</b>	 <b>Release gripes</b>
<b>5105</b> EE, GG & JJ	<b>5106</b> EE, GG & JJ	<b>5107</b> EE, GG & JJ	<b>5108</b> EE, GG & JJ	<b>5109</b> EE, GG & JJ



# IMO Symbols

- Without text

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.

4050 EE, GG, JJ & MM	4051 EE, GG & JJ	4052 EE, GG, JJ & MM	4053 EE, GG & JJ	4054 EE, GG & JJ	4055 EE, GG & JJ				
4056 EE, GG & JJ	4057 EE, GG & JJ	4058 EE, GG & JJ	4082 EE, GG & JJ	4059 EE, GG & JJ	4060 EE, GG, JJ & MM				
4061 EE, GG & JJ	4080 EE, GG & JJ	4062 EE, GG & JJ	4063 EE, GG & JJ	4064 EE, GG & JJ	4065 EE, GG & JJ				
4066 EE, GG & JJ	4067 EE, GG & JJ	4068 EE, GG & JJ	4069 EE, GG, JJ & MM	4070 EE, GG & JJ	4071 EE, GG & JJ				
4075 EE, GG & JJ	4076 EE, GG & JJ	4153 EE, GG & JJ	4078 EE, GG & JJ	4081 EE, GG & JJ	4150 EE, GG & JJ				
4200 JF & MJ	4201 JF & MJ	4202 JF & MJ	4203 JF & MJ	4204 JF & MJ	4205 JF & MJ	4206 JF & MJ	4207 JF & MJ	4208 JF & MJ	4209 JF & MJ
						Full alphabet available, continue product ID number sequentially.			
4210 JF & MJ	4211 JF & MJ	4212 JF & MJ	4213 JF & MJ	4214 JF & MJ	4215 JF & MJ			4234 JF & MJ	4235 JF & MJ
4420 EE, GG, JJ & MM	4421 EE, GG, JJ & MM	4455 EE, GG, JJ & MM	4454 EE, GG, JJ & MM						

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.



# Safety signs

Safety signs are required to complement or expand the scope of officially designated signage. 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.



**4150**  
EE, GG & JJ



**4139**  
EE, GG & JJ



**4135**  
EE, GG & JJ



**4137**  
EE, GG & JJ



**4156**  
EE, GG & JJ



**4130**  
EE, GG & JJ



**4151**  
EE, GG & JJ



**4152**  
EE, GG & JJ



**4133**  
EE, GG & JJ



**4154**  
EE, GG & JJ



**4155**  
EE, GG & JJ



**4140**  
EJ & GM



**4171**  
EJ & GM



**4173**  
EJ & GM



**4172**  
EJ & GM



**4136**  
EJ & GM



**4138**  
EJ & GM



**4190**  
EJ & GM



**4176**  
EJ & GM



**4177**  
EJ & GM



**4179**  
EJ & GM



**4184**  
EJ & GM



**4181**  
EJ & GM



**4174**  
EJ & GM



**4175**  
EJ & GM



**4182**  
EJ & GM



**4189**  
EJ & GM



**4185**  
EJ & GM



**4188**  
EJ & GM





# 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.



4351  
EJ, GM, JP & KR



4350  
EJ, GM, JP & KR



4352  
EJ, GM, JP & KR



4357  
EJ, GM, JP & KR



4460 ♦  
(individual face size KK)



4353  
EJ, GM, JP & KR



4356  
EJ, GM, JP & KR



4355  
EJ, GM, JP & KR



4354  
EJ, GM, JP & KR



4380  
FJ, JM & KP



4381  
FJ, JM & KP



4369  
EJ, GM, JP & KR



4358  
EJ, GM, JP & KR



4382  
FJ, JM & KP



4383  
FJ, JM & KP



4374  
EJ, GM, JP & KR



4359  
EJ, GM, JP & KR



4340  
EJ, GM, JP & KR



4341  
EJ, GM, JP & KR



4342  
EJ, GM, JP & KR



4343  
EJ, GM, JP & KR



4344  
EJ, GM, JP & KR



4345  
EJ, GM, JP & KR



4486  
JE & MG



4485  
JE & MG



4480  
EJ & GM



4481  
EJ & GM



4482  
EJ & GM



4483  
EJ & GM



4489  
JE & MG



4490  
JE & MG



# 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



4402  
EJ, GM, JP & KR



4401  
EJ, GM, JP & KR



4403  
EJ, GM, JP & KR



4404  
EJ, GM, JP & KR



4463 ♦  
(individual face size KK)



4405  
EJ, GM, JP & KR



4406  
EJ, GM, JP & KR



4409  
EJ, GM, JP & KR



4407  
EJ, GM, JP & KR



4414  
FJ, JM & KP



4415  
FJ, JM & KP



4369  
EJ, GM, JP & KR



4358  
EJ, GM, JP & KR



4416  
FJ, JM & KP



4417  
FJ, JM & KP



4374  
EJ, GM, JP & KR



4359  
EJ, GM, JP & KR



4423  
EE, GG & JJ



4385  
EE, GG & JJ



4425  
EE, GG & JJ



4420  
EE, GG & JJ



4426  
FL & JQ



4454  
EE, GG & JJ



4422  
EE, GG & JJ



4384  
EE, GG & JJ



4424  
EE, GG & JJ



4421  
EE, GG & JJ



4427  
FJ & JM



4455  
EE, GG & JJ

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



4820  
EE, GG & JJ



4825  
FJ, JM & KP



4815  
EJ, GM, JP & KR



4821  
EJ, GM, JP & KR



4819  
EE, GG & JJ



4824  
FJ, JM & KP



4814  
EJ, GM, JP & KR



4822  
EJ, GM, JP & KR



# 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.



4302  
EJ, GM, JP & KR



4301  
EJ, GM, JP & KR



4303  
EJ, GM, JP & KR



4304  
EJ, GM, JP & KR



4100  
EE, GG & JJ



4050  
EE, GG & JJ



4305  
EJ, GM, JP & KR



4306  
EJ, GM, JP & KR



4309  
EJ, GM, JP & KR



4307  
EJ, GM, JP & KR



4322  
EJ, GM, JP & KR



4321  
EJ, GM, JP & KR



4323  
EJ, GM, JP & KR



4324  
EJ, GM, JP & KR



4119  
EE, GG & JJ



4069  
EE, GG & JJ



4325  
EJ, GM, JP & KR



4326  
EJ, GM, JP & KR



4329  
EJ, GM, JP & KR



4327  
EJ, GM, JP & KR



4332  
EJ, GM, JP & KR



4331  
EJ, GM, JP & KR



4333  
EJ, GM, JP & KR



4334  
EJ, GM, JP & KR



4141  
EE, GG & JJ



4069  
EE, GG & JJ



4335  
EJ, GM, JP & KR



4336  
EJ, GM, JP & KR



4339  
EJ, GM, JP & KR



4337  
EJ, GM, JP & KR



# Means of escape

## - Low location lighting

**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.

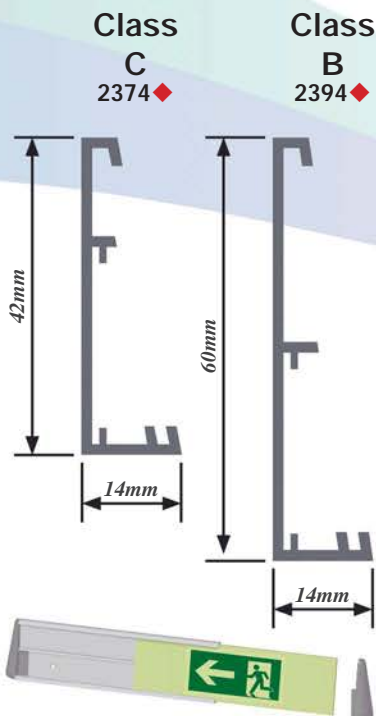
**ISO:15370 Ships and marine technology – Low location lighting on passenger ships** requires all escape routes, including stairs, to be marked by LLL. Where a photoluminescent material is used this should be a minimum of 75mm wide, unless the photoluminescent performance is increased to allow a narrower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












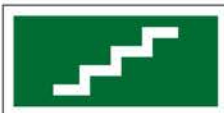
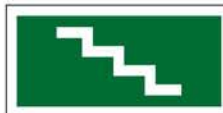


The standard system uses a material with glow properties within the PSPA class 'B' range. It has a carrier with a 50mm visible width of photoluminescent material and is angled away from vertical to allow the photoluminescent panel to catch more ambient light.

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.



 4050 ◆ CC & EE	 4069 ◆ CC & EE	 4150 ◆ CC & EE	 4428 ◆ CC & EE	 4429 ◆ CC & EE	 4420 ◆ CC & EE	 4421 ◆ CC & EE	
 2387 ◆ FC & JE	 2386 ◆ FC & JE	 2382 ◆ CF & EG	 2383 ◆ CF & EG	 2385 ◆ CF & EG	 2384 ◆ CF & EG	 2377 ◆ FC & JE	 2376 ◆ FC & JE



# Means of escape

## - Low location lighting

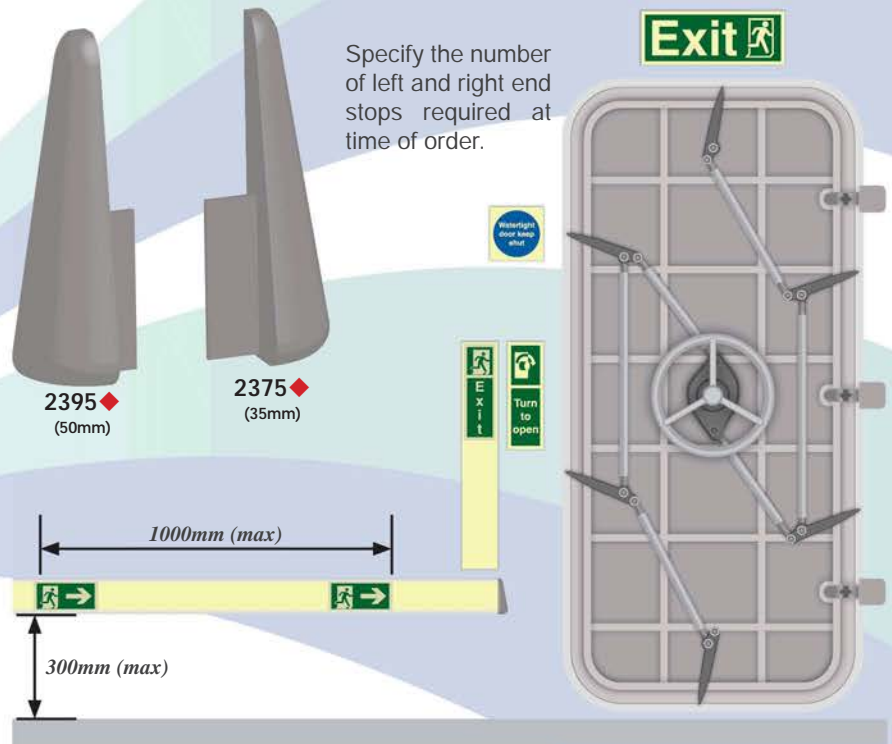


The carrier is fixed to the bulkhead by countersunk screws, the heads being covered by the photoluminescent panels which are simply slipped into the extrusion.

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/m<sup>2</sup> after 10 minutes following removal of external light sources and at least 2 mcd/m<sup>2</sup> 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 end stops required at time of order.



PV 2024 ◆ - 40mm x 10m  
PV 2028 ◆ - 80mm x 10m

**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.



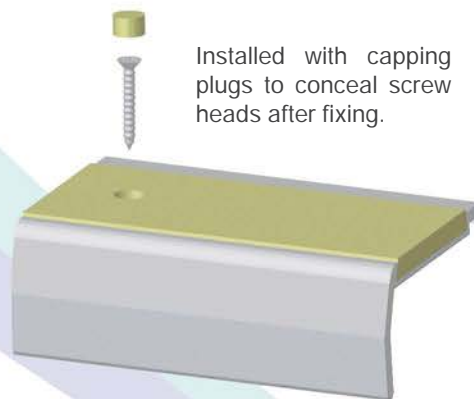
# Means of escape

## - 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.

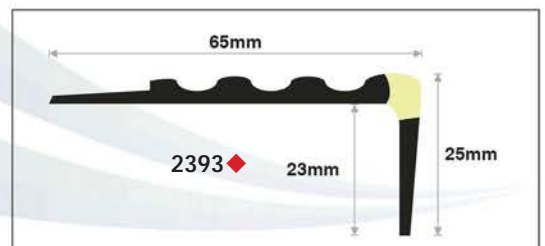
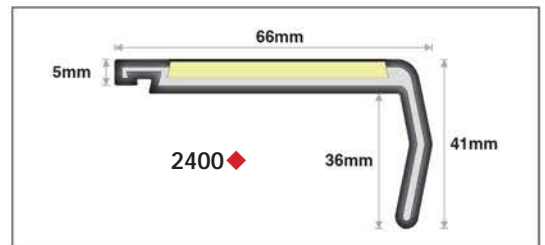
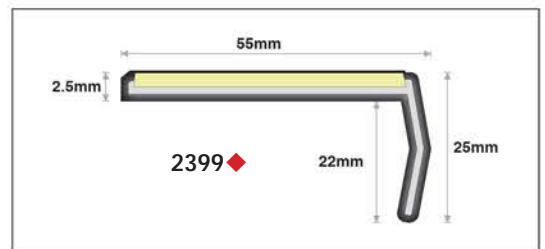
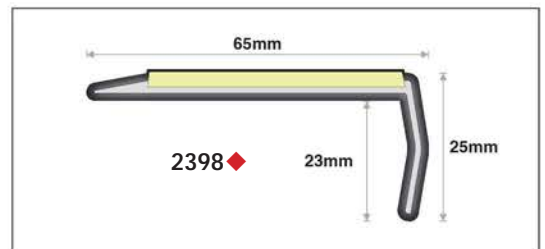
Stairs represent a slip and trip hazard and a serious obstacle when part of a means of escape. Photoluminescent stair nosing provides an excellent method of highlighting stairs along an escape route.

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.

A fourth option is a PVC extrusion which once installed using an acrylic or similar adhesive offers a permanent and durable non-slip finish.



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)



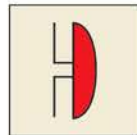
Fire control plan  
**6001**  
EE, GG & JJ



Push-button/switch for fire alarm  
**6002**  
EE, GG & JJ



Horn, fire alarm  
**6003**  
EE, GG & JJ



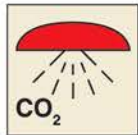
Bell, fire alarm  
**6004**  
EE, GG & JJ



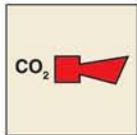
Manually operated call point  
**6005**  
EE, GG & JJ



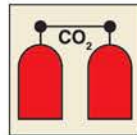
Space protected by automatic fire alarm  
**6006**  
EE, GG & JJ



Space protected by CO<sub>2</sub>  
**6007**  
EE, GG & JJ



CO<sub>2</sub> horn  
**6008**  
EE, GG & JJ



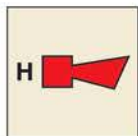
CO<sub>2</sub> release station  
**6009**  
EE, GG & JJ



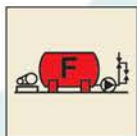
Halon 1301 battery  
**6010**  
EE, GG & JJ



Space protected by Halon 1301  
**6011**  
EE, GG & JJ



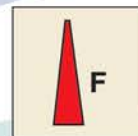
Halon horn  
**6012**  
EE, GG & JJ



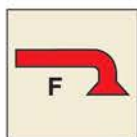
Foam installation  
**6013**  
EE, GG & JJ



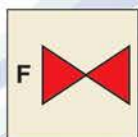
Foam monitor (gun)  
**6014**  
EE, GG & JJ



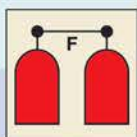
Foam nozzle  
**6015**  
EE, GG & JJ



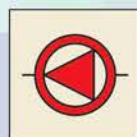
Space protected by foam  
**6016**  
EE, GG & JJ



Foam valve  
**6017**  
EE, GG & JJ



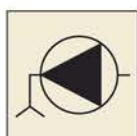
Foam release station  
**6018**  
EE, GG & JJ



Emergency fire pump  
**6019**  
EE, GG & JJ



Remote controlled fire pumps or em. switches  
**6020**  
EE, GG & JJ



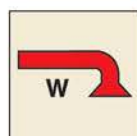
Bilge pump  
**6021**  
EE, GG & JJ



Emergency bilge pump  
**6022**  
EE, GG & JJ



Water monitor (gun)  
**6023**  
EE, GG & JJ



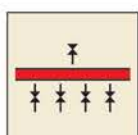
Water fog applicator  
**6024**  
EE, GG & JJ



Emergency telephone station  
**6025**  
EE, GG & JJ



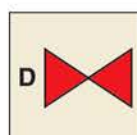
Fire axe  
**6026**  
EE, GG & JJ



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

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).



# 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**.



'A' Class division

**6031**  
EE, GG & JJ



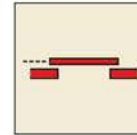
'A' Class fire door

**6032**  
EE, GG & JJ



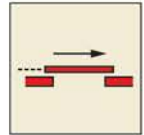
'A' Class self-closing fire door

**6033**  
EE, GG & JJ



'A' Class sliding fire door

**6034**  
EE, GG & JJ



'A' Class self-closing sliding fire door

**6035**  
EE, GG & JJ



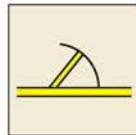
Portable foam applicator

**6036**  
EE, GG & JJ



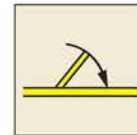
'B' Class division

**6037**  
EE, GG & JJ



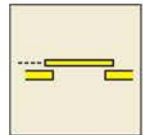
'B' Class fire door

**6038**  
EE, GG & JJ



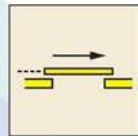
'B' Class self-closing fire door

**6039**  
EE, GG & JJ



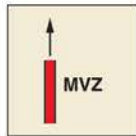
'B' Class sliding fire door

**6040**  
EE, GG & JJ



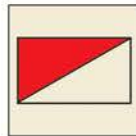
'B' Class self-closing sliding fire door

**6041**  
EE, GG & JJ



Main vertical zone

**6042**  
EE, GG & JJ



Fire alarm control panel

**6043**  
EE, GG & JJ



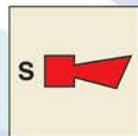
Sprinkler station

**6044**  
EE, GG & JJ



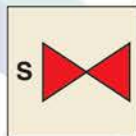
Space protected by sprinkler

**6045**  
EE, GG & JJ



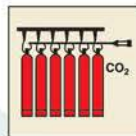
Sprinkler horn

**6046**  
EE, GG & JJ



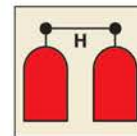
Sprinkler section valve

**6047**  
EE, GG & JJ



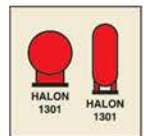
CO<sub>2</sub> battery

**6048**  
EE, GG & JJ



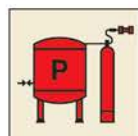
Halon release station

**6049**  
EE, GG & JJ



Halon 1301 bottles in protected area

**6050**  
EE, GG & JJ



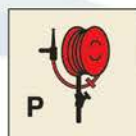
Powder installation

**6051**  
EE, GG & JJ



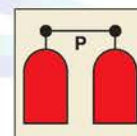
Powder monitor (gun)

**6052**  
EE, GG & JJ



Powder hose and hand gun

**6053**  
EE, GG & JJ



Powder release station

**6054**  
EE, GG & JJ



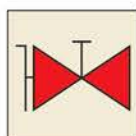
Flame detector

**6055**  
EE, GG & JJ



Smoke detector

**6056**  
EE, GG & JJ



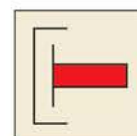
Fire main with valves

**6057**  
EE, GG & JJ



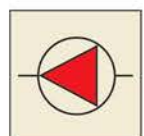
Hose box with spray / jet

**6058**  
EE, GG & JJ



International shore connection

**6059**  
EE, GG & JJ



Fire pump

**6060**  
EE, GG & JJ





# IMO Fire control symbols

- IMO Resolution A.654(16)



Heat detector

**6061**

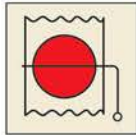
EE, GG & JJ



Gas detector

**6062**

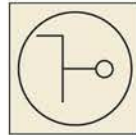
EE, GG & JJ



Fire damper in vent duct

**6063**

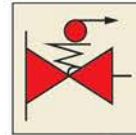
EE, GG & JJ



Remote controlled skylights

**6064**

EE, GG & JJ



Remote controlled FO/LO valves

**6065**

EE, GG & JJ



Control station

**6066**

EE, GG & JJ



Locker with fireman's outfit

**6067**

EE, GG & JJ



Locker with additional breathing apparatus

**6068**

EE, GG & JJ



Locker with additional protective clothing

**6069**

EE, GG & JJ



Primary means of escape

**6070**

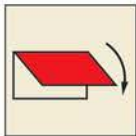
EE, GG & JJ



Secondary means of escape

**6071**

EE, GG & JJ



Closing appliance for exterior ventilation inlet or outlet

**6072**

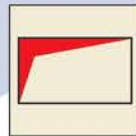
EE, GG & JJ



Inert gas installation

**6073**

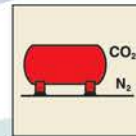
EE, GG & JJ



High expansion foam supply tank

**6074**

EE, GG & JJ



CO<sub>2</sub> / Nitrogen bulk installation

**6075**

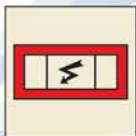
EE, GG & JJ



Emergency generator

**6076**

EE, GG & JJ



Emergency switchboard

**6077**

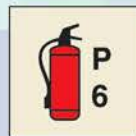
EE, GG & JJ



Remote ventilation shutoff

**6078**

EE, GG & JJ



6kg Powder fire extinguisher

**6079**

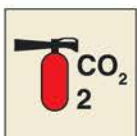
EE, GG & JJ



9ltr Foam fire extinguisher

**6080**

EE, GG & JJ



2kg Powder fire extinguisher

**6082**

EE, GG & JJ



2kg Powder fire extinguisher

**6083**

EE, GG & JJ



1kg Powder fire extinguisher

**6084**

EE, GG & JJ



50kg Wheeled Powder fire extinguisher

**6085**

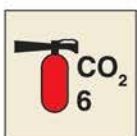
EE, GG & JJ



30kg Wheeled CO<sub>2</sub> fire extinguisher

**6086**

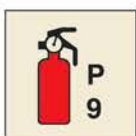
EE, GG & JJ



6kg CO<sub>2</sub> fire extinguisher

**6087**

EE, GG & JJ



9kg Powder fire extinguisher

**6088**

EE, GG & JJ



45ltr Wheeled foam fire extinguisher

**6089**

EE, GG & JJ



5kg Powder fire extinguisher

**6090**

EE, GG & JJ



9ltr Foam fire extinguisher

**6091**

EE, GG & JJ



# IMO Fire control symbols

- ISO 17631 & IMO Resolution A.952(23)

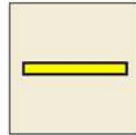
The symbols reproduced here, in accordance with **IMO Resolution A.952(23)**, are intended for use on ships' fire plans. Although not initially required by regulation, out of convenience and to assist crew familiarity, many vessels use signs depicting Fire Control Plan symbols to identify equipment onboard. **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.



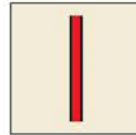
'A' Class fire division

**6751**  
EE, GG & JJ



'B' Class fire division

**6752**  
EE, GG & JJ



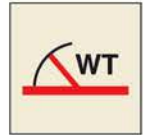
Main vertical zone division

**6753**  
EE, GG & JJ



'A' Class fire door

**6754**  
EE, GG & JJ



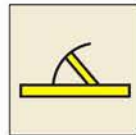
'A' Class watertight fire door

**6755**  
EE, GG & JJ



'A' Class semi-watertight fire door

**6756**  
EE, GG & JJ



'B' Class fire door

**6757**  
EE, GG & JJ



'B' Class watertight fire door

**6758**  
EE, GG & JJ



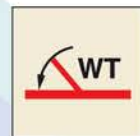
'B' Class semi-watertight fire door

**6759**  
EE, GG & JJ



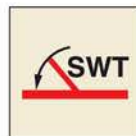
'A' Class self closing fire door

**6760**  
EE, GG & JJ



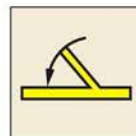
'A' Class self closing watertight fire door

**6761**  
EE, GG & JJ



'A' Class self closing semi-watertight fire door

**6762**  
EE, GG & JJ



'B' Class self closing fire door

**6763**  
EE, GG & JJ



'B' Class self closing watertight fire door

**6764**  
EE, GG & JJ



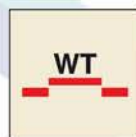
'B' Class self closing semi-watertight fire door

**6765**  
EE, GG & JJ



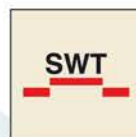
'A' Class sliding fire door

**6766**  
EE, GG & JJ



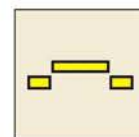
'A' Class watertight sliding fire door

**6767**  
EE, GG & JJ



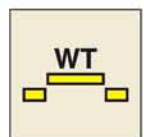
'A' Class semi-watertight sliding fire door

**6768**  
EE, GG & JJ



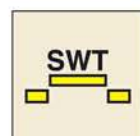
'B' Class sliding fire door

**6769**  
EE, GG & JJ



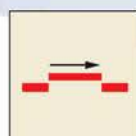
'B' Class watertight sliding fire door

**6770**  
EE, GG & JJ



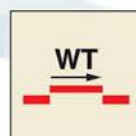
'B' Class semi-watertight sliding fire door

**6771**  
EE, GG & JJ



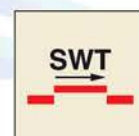
'A' Class self closing sliding fire door

**6772**  
EE, GG & JJ



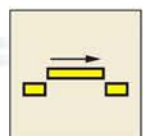
'A' Class watertight self closing sliding fire door

**6773**  
EE, GG & JJ



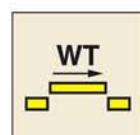
'A' Class semi-watertight self closing sliding fire door

**6774**  
EE, GG & JJ



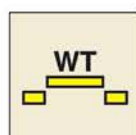
'B' Class self closing sliding fire door

**6775**  
EE, GG & JJ



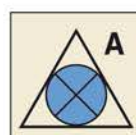
'B' Class watertight self closing sliding fire door

**6776**  
EE, GG & JJ



'B' Class semi-watertight self closing sliding fire door

**6777**  
EE, GG & JJ



Remote vent. shut-off for accommodation & service spaces

**6778**  
EE, GG & JJ



Remote vent. shut-off for machinery spaces

**6779**  
EE, GG & JJ



Remote vent. shut-off for cargo spaces

**6780**  
EE, GG & JJ



# IMO Fire control symbols

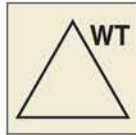
- ISO 17631 & IMO Resolution A.952(23)



Skylight remote controls

**6781**

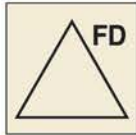
EE, GG & JJ



Watertight doors remote controls

**6782**

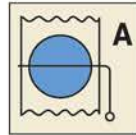
EE, GG & JJ



Fire doors remote controls

**6783**

EE, GG & JJ



Fire damper for accommodation & service spaces

**6784**

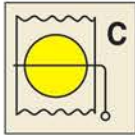
EE, GG & JJ



Fire damper for machinery spaces

**6785**

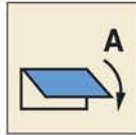
EE, GG & JJ



Fire damper for cargo spaces

**6786**

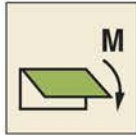
EE, GG & JJ



Closing device for accommodation & service spaces

**6787**

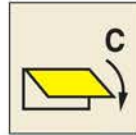
EE, GG & JJ



Closing device for machinery spaces

**6788**

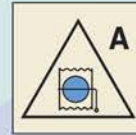
EE, GG & JJ



Closing device for cargo spaces

**6789**

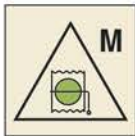
EE, GG & JJ



Remote control for fire dampers in accommodation & service spaces

**6790**

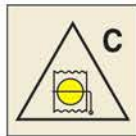
EE, GG & JJ



Remote control for fire dampers in machinery spaces

**6791**

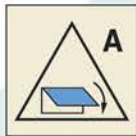
EE, GG & JJ



Remote control for fire dampers in cargo spaces

**6792**

EE, GG & JJ



Remote control for closing device for accommodation & service spaces

**6793**

EE, GG & JJ



Remote control for closing device for machinery spaces

**6794**

EE, GG & JJ



Remote control for closing device for cargo spaces

**6795**

EE, GG & JJ



Fire plan & associated plans

**6796**

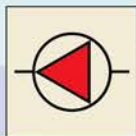
EE, GG & JJ



Fire pump remote control

**6797**

EE, GG & JJ



Fire pump

**6798**

EE, GG & JJ



Emergency fire pump remote control

**6799**

EE, GG & JJ



Emergency fire pump

**6800**

EE, GG & JJ



Fuel pumps remote shut-off

**6801**

EE, GG & JJ



Lub. oil pumps remote shut-off

**6802**

EE, GG & JJ



Bilge pump(s) remote control

**6803**

EE, GG & JJ



Emergency bilge pump remote control

**6804**

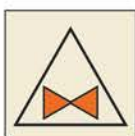
EE, GG & JJ



Fuel oil valves remote control

**6805**

EE, GG & JJ



Lub. oil valves remote control

**6806**

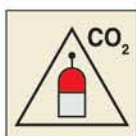
EE, GG & JJ



Fire pump valves remote control

**6807**

EE, GG & JJ



Remote release station for CO<sub>2</sub>

**6808**

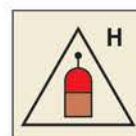
EE, GG & JJ



Remote release station for Nitrogen

**6809**

EE, GG & JJ



Remote release station for Halon equivalent

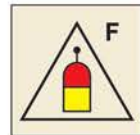
**6810**

EE, GG & JJ



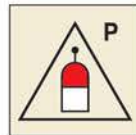
# IMO Fire control symbols

- ISO 17631 & IMO Resolution A.952(23)



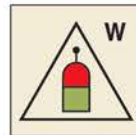
Remote release station for foam

**6811**  
EE, GG & JJ



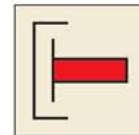
Remote release station for powder

**6812**  
EE, GG & JJ



Remote release station for water

**6813**  
EE, GG & JJ



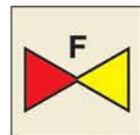
International shore connection

**6814**  
EE, GG & JJ



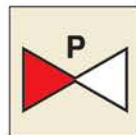
Fire hydrant

**6815**  
EE, GG & JJ



Foam section valve

**6816**  
EE, GG & JJ



Powder section valve

**6817**  
EE, GG & JJ



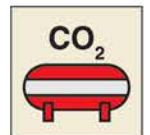
Fire main section valve

**6818**  
EE, GG & JJ



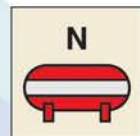
Sprinkler section valve

**6819**  
EE, GG & JJ



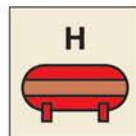
Fixed CO<sub>2</sub> fire extinguishing installation

**6820**  
EE, GG & JJ



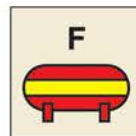
Fixed Nitrogen fire extinguishing installation

**6821**  
EE, GG & JJ



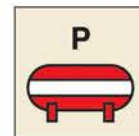
Fixed Halon equivalent fire extinguishing installation

**6822**  
EE, GG & JJ



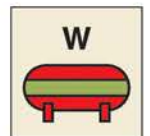
Fixed foam fire extinguishing installation

**6823**  
EE, GG & JJ



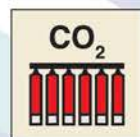
Fixed powder fire extinguishing installation

**6824**  
EE, GG & JJ



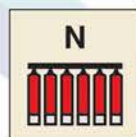
Fixed water fire extinguishing installation

**6825**  
EE, GG & JJ



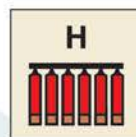
Fixed CO<sub>2</sub> fire extinguishing battery

**6826**  
EE, GG & JJ



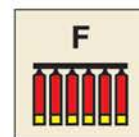
Fixed Nitrogen fire extinguishing battery

**6827**  
EE, GG & JJ



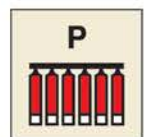
Fixed Halon equivalent fire extinguishing battery

**6828**  
EE, GG & JJ



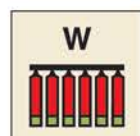
Fixed foam fire extinguishing battery

**6829**  
EE, GG & JJ



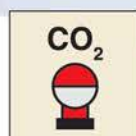
Fixed powder fire extinguishing battery

**6830**  
EE, GG & JJ



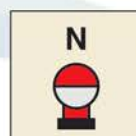
Fixed water fire extinguishing battery

**6831**  
EE, GG & JJ



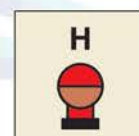
CO<sub>2</sub> bottles in protected area

**6832**  
EE, GG & JJ



Nitrogen bottles in protected area

**6833**  
EE, GG & JJ



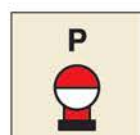
Halon equivalent bottles in protected area

**6834**  
EE, GG & JJ



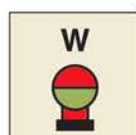
Foam bottles in protected area

**6835**  
EE, GG & JJ



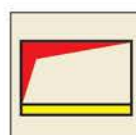
Powder bottles in protected area

**6836**  
EE, GG & JJ



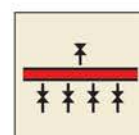
Water bottles in protected area

**6837**  
EE, GG & JJ



High expansion foam supply tank

**6838**  
EE, GG & JJ



Water spray system control valves

**6839**  
EE, GG & JJ



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.



# IMO Fire control symbols

- ISO 17631 & IMO Resolution A.952(23)



Foam monitor

**6841**  
EE, GG & JJ



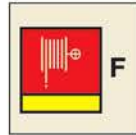
Powder monitor

**6842**  
EE, GG & JJ



Water monitor

**6843**  
EE, GG & JJ



Foam fire hose & nozzle

**6844**  
EE, GG & JJ



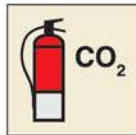
Powder fire hose & nozzle

**6845**  
EE, GG & JJ



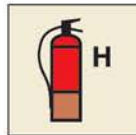
Water fire hose & nozzle

**6846**  
EE, GG & JJ



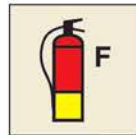
CO<sub>2</sub> fire extinguisher

**6847**  
EE, GG & JJ



Halon equivalent fire extinguisher

**6848**  
EE, GG & JJ



Foam fire extinguisher

**6849**  
EE, GG & JJ



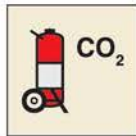
Powder fire extinguisher

**6850**  
EE, GG & JJ



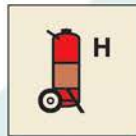
Water fire extinguisher

**6851**  
EE, GG & JJ



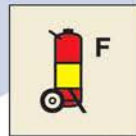
CO<sub>2</sub> wheeled fire extinguisher

**6852**  
EE, GG & JJ



Halon equivalent fire wheeled extinguisher

**6853**  
EE, GG & JJ



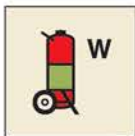
Foam wheeled fire extinguisher

**6854**  
EE, GG & JJ



Powder wheeled fire extinguisher

**6855**  
EE, GG & JJ



Water wheeled fire extinguisher

**6856**  
EE, GG & JJ



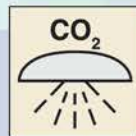
Portable foam applicator unit

**6857**  
EE, GG & JJ



Fire fighters outfit locker

**6858**  
EE, GG & JJ



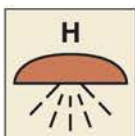
Space protected by fixed CO<sub>2</sub> fire extinguishing system

**6859**  
EE, GG & JJ



Space protected by fixed Nitrogen fire extinguishing system

**6877**  
EE, GG & JJ



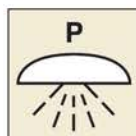
Space protected by fixed Halon equivalent fire extinguishing system

**6860**  
EE, GG & JJ



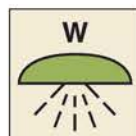
Space protected by fixed foam fire extinguishing system

**6861**  
EE, GG & JJ



Space protected by fixed powder fire extinguishing system

**6862**  
EE, GG & JJ



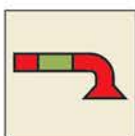
Space protected by fixed water fire extinguishing system

**6863**  
EE, GG & JJ



Space protected by sprinkler system

**6864**  
EE, GG & JJ



Water fog applicator

**6865**  
EE, GG & JJ



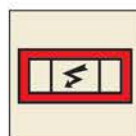
Emergency source of electrical power (generator)

**6866**  
EE, GG & JJ



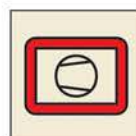
Emergency source of electrical power (battery)

**6867**  
EE, GG & JJ



Emergency switchboard

**6868**  
EE, GG & JJ



Air compressor for breathing devices

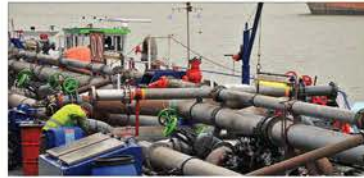
**6869**  
EE, GG & JJ

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.

1	2	3	4	5	6	7	8	9	· kg ltr
1	2	3	4	5	6	7	8	9	· kg ltr
1	2	3	4	5	6	7	8	9	· kg ltr
1	2	3	4	5	6	7	8	9	· kg ltr
1	2	3	4	5	6	7	8	9	· kg ltr
1	2	3	4	5	6	7	8	9	· kg ltr
1	2	3	4	5	6	7	8	9	· kg ltr
1	2	3	4	5	6	7	8	9	· kg ltr
1	2	3	4	5	6	7	8	9	· kg ltr
1	2	3	4	5	6	7	8	9	· kg ltr

2607 ◆  
MN

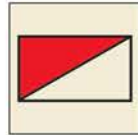
30x30mm black characters on transparent vinyl.



# IMO Fire control symbols

- ISO 17631 & IMO Resolution A.952(23)

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.



Fire alarm panel  
**6870**  
EE, GG & JJ



Fire alarm push button / switch  
**6871**  
EE, GG & JJ



Manually operated call point  
**6872**  
EE, GG & JJ



Space monitored by smoke detector(s)  
**6873**  
EE, GG & JJ



Space monitored by heat detector(s)  
**6874**  
EE, GG & JJ



Space monitored by flame detector(s)  
**6875**  
EE, GG & JJ



Space monitored by gas detector(s)  
**6876**  
EE, GG & JJ



Fire blanket  
**6878**  
EE, GG & JJ



Fire extinguisher spare charge(s)  
**6715**  
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.

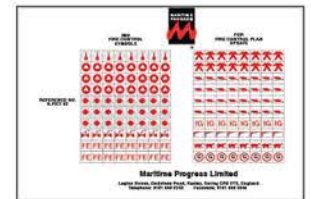
Pictos are available complying with **ISO 17631:2002** and **IMO Resolution A654(16)**.



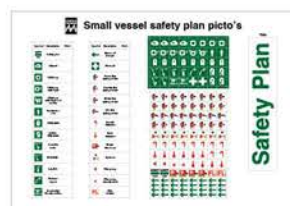
Fire control symbols totalling over 3500 picto's with a legend and relevant titles.  
**2603** ♦  
A5 Booklet



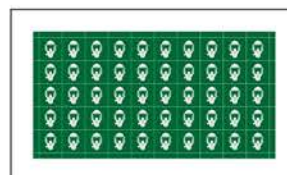
Life saving appliance symbols totalling over 500 picto's with a legend and relevant titles.  
**2604** ♦  
A5 Booklet



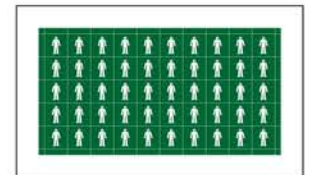
Fire control symbols in nine sheets each comprising 160 picto's. Totalling 1440.  
**2600** ♦  
A5 Sheets



A combination of 144 of the most common FCS & LSA picto's with a legend & relevant titles. Specifically designed for small vessels  
**2608** ♦  
A4 Sheet



50x EEBD picto's per sheet  
**2605** ♦  
60x100mm



50x Immersion suit picto's per sheet  
**2606** ♦  
60x100mm

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.



# Fire control plans

- 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

SOLAS, Chapter II-2, Regulation 13.3.2.5.1 refers to the location markings of fire equipment when marking escape routes and requires that they must be photoluminescent or illuminated by emergency lighting.



**6100**  
EE, GG & JJ



**6140**  
EJ, GF, GM & KJ



**6131**  
EJ, GF, GM & KJ



**6163**  
EJ, GF, GM & KJ



**6164**  
EJ, GF, GM & KJ



**6165**  
EJ, GF, GM & KJ



**6138**  
EJ, GF, GM & KJ



**6106**  
EE, GG & JJ



**6133**  
EJ, GF, GM & KJ



**6134**  
EJ, GF, GM & KJ



**6132**  
EJ, GF, GM & KJ



**6301**  
MG & RK



**6430**  
KG & GJ



**6431**  
KG & GJ



**6432**  
KG & GJ



**2702**  
JG



**6433**  
KG & GJ



**6434**  
KG & GJ



**6414**  
KG & GJ



**2360** ♦  
Fine point permanent marker pen.



**6150**  
EJ, GF, GM & KJ



**6102**  
EE, GG & JJ



**6144**  
EJ, GF, GM & KJ



**6145**  
EJ, GF, GM & KJ



**6146**  
EJ, GF, GM & KJ



**6101**  
EE, GG & JJ



**6135**  
EJ, GF, GM & KJ



**6148**  
EJ, GF, GM & KJ



**6136**  
EJ, GF, GM & KJ



**6141**  
EJ, GF, GM & KJ



**6142**  
EJ, GF, GM & KJ

















**4187**  
EJ, GF, GM & KJ





# Fire equipment signs

 <b>6103</b> EE, GG & JJ	 <b>6147</b> EJ, GF, GM & KJ	 <b>6149</b> EJ, GF, GM & KJ	 <b>6151</b> EJ, GF, GM & KJ
 <b>6104</b> EE, GG & JJ	 <b>6154</b> EJ, GF, GM & KJ	 <b>6152</b> EJ, GF, GM & KJ	 <b>6153</b> EJ, GF, GM & KJ
 <b>6155</b> EJ, GF, GM & KJ	 <b>6158</b> EJ, GF, GM & KJ	 <b>6159</b> EJ, GF, GM & KJ	
 <b>6160</b> EJ, GF, GM & KJ	 <b>6157</b> EJ, GF, GM & KJ	 <b>6137</b> EJ, GF, GM & KJ	

 <b>6200</b> EE, GG & JJ	 <b>6201</b> EE, GG & JJ	 <b>6202</b> EE, GG & JJ	 <b>6203</b> EE, GG & JJ	 <b>6204</b> EE, GG & JJ	 <b>6105</b> EE, GG & JJ	 <b>6300</b> EE, GG & JJ
 <b>6205</b> EE, GG & JJ	 <b>6206</b> EE, GG & JJ	 <b>6207</b> EE, GG & JJ	 <b>6208</b> EE, GG & JJ	 <b>6209</b> EE, GG & JJ	 <b>6210</b> EE, GG & JJ	 <b>6211</b> EE, GG & JJ

Elevator entrances should be marked with an appropriate safety sign such as 6300.

Fire fighting equipment may be further identified as to its use with the correctly chosen locating sign.

Example:



Fire hose location

 <b>6501</b> ♦ (individual face size JJ)	 <b>6505</b> ♦ (individual face size JJ)	 <b>6503</b> ♦ (individual face size JJ)	 <b>6507</b> ♦ (individual face size JJ)
 <b>6500</b> ♦ (individual face size KK)	 <b>6504</b> ♦ (individual face size KK)	 <b>6502</b> ♦ (individual face size KK)	 <b>6506</b> ♦ (individual face size KK)

When equipment in an alleyway or corridor is stowed in a recess or locker, then a panoramic sign, mounted well above head height should be used to enable equipment to be identified from a distance.



# Prohibition signs

The **ISM Code** requires owners and managers to provide a safe environment for all persons onboard. Prohibition signs are used to restrict entry and onboard practices providing a control measure where a hazard cannot otherwise be removed.

Following risk assessment these signs assist the ships officer's when implementing company procedures and the findings of the assessment.

			
<b>8500</b> EE, GG & JJ	<b>8530</b> EJ, GF, GM & KJ	<b>8531</b> EJ, GF, GM & KJ	<b>8532</b> EJ, GF, GM & KJ
			
	<b>8533</b> EJ, GF, GM & KJ	<b>8583</b> EJ, GF, GM & KJ	<b>8581</b> EJ, GF, GM & KJ
			
<b>8501</b> EE, GG & JJ	<b>8536</b> EJ, GF, GM & KJ	<b>8537</b> EJ, GF, GM & KJ	<b>8522</b> KM
			
	<b>8539</b> EJ, GF, GM & KJ	<b>8584</b> EJ, GF, GM & KJ	
			
<b>8502</b> EE, GG & JJ	<b>8540</b> EJ, GF, GM & KJ	<b>8541</b> EJ, GF, GM & KJ	<b>8542</b> EJ, GF, GM & KJ
			
	<b>8544</b> EJ, GF, GM & KJ	<b>8545</b> EJ, GF, GM & KJ	<b>8546</b> EJ, GF, GM & KJ
			
	<b>8559</b> EJ, GF, GM & KJ	<b>8549</b> EJ, GF, GM & KJ	<b>8578</b> EJ, GF, GM & KJ
			
	<b>8547</b> EJ, GF, GM & KJ	<b>8690</b> EJ, GF, GM & KJ	<b>8691</b> EJ, GF, GM & KJ
			
<b>8503</b> EE, GG & JJ	<b>8684</b> EJ, GF, GM & KJ	<b>8504</b> EE, GG & JJ	<b>8548</b> EJ, GF, GM & KJ
			
	<b>8557</b> EJ, GF, GM & KJ		<b>8564</b> EJ, GF, GM & KJ



# Prohibition signs



8514  
EE, GG & JJ



8551  
EJ, GF, GM & KJ



8505  
EE, GG & JJ



8550  
EJ, GF, GM & KJ



8552  
EJ, GF, GM & KJ



8580  
EJ, GF, GM & KJ



8506  
EE, GG & JJ



8553  
EJ, GF, GM & KJ



8659  
EJ, GF, GM & KJ



8660  
EJ, GF, GM & KJ



8556  
EJ, GF, GM & KJ



8555  
EJ, GF, GM & KJ



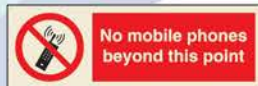
8661  
EJ, GF, GM & KJ



8510  
EE, GG & JJ



8658  
EJ, GF, GM & KJ



8655  
EJ, GF, GM & KJ



8692  
EJ, GF, GM & KJ



8570  
EJ, GF, GM & KJ



8656  
EJ, GF, GM & KJ



8657  
EJ, GF, GM & KJ



8511  
EE, GG & JJ



8585  
EJ, GF, GM & KJ



8513  
EE, GG & JJ



8568  
EJ, GF, GM & KJ



8587  
EJ, GF, GM & KJ



8569  
EJ, GF, GM & KJ



8543  
EJ, GF, GM & KJ



8560  
EJ, GF, GM & KJ



8561  
EJ, GF, GM & KJ



8662  
EJ, GF, GM & KJ



8565  
EJ, GF, GM & KJ



8566  
EJ, GF, GM & KJ



8567  
EJ, GF, GM & KJ



# 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.

It is counterproductive 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:



**Caution**

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



**Warning**

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



**Danger**

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



**Caution**

7651

EJ, GF, GM & KJ



**Warning**

7652

EJ, GF, GM & KJ



**Danger**

7540

EJ, GF, GM & KJ



**Caution**  
Open slowly

7653

EJ, GF, GM & KJ



**Warning**  
Open slowly

7541

EJ, GF, GM & KJ



**Danger**

Low oxygen level

7544

EJ, GF, GM & KJ



**Danger**

You are entering a CO<sub>2</sub> protected area

7545

EJ, GF, GM & KJ



**Danger**

Unmanned machinery space, machinery may start without warning

7542

EJ, GF, GM & KJ



**Warning**

Moving machinery

7654

EJ, GF, GM & KJ



**Danger**

Moving machinery

7546

EJ, GF, GM & KJ



**Caution**

Hazardous area

7655

EJ, GF, GM & KJ



**Warning**

Hazardous area

7549

EJ, GF, GM & KJ



**Danger**

Hazardous area

7656

EJ, GF, GM & KJ



**Warning**

Asbestos

7657

EJ, GF, GM & KJ



**Danger**

Asbestos

7554

EJ, GF, GM & KJ



**Caution**

Hot

7658

EJ, GF, GM & KJ



**Warning**

Hot

7569

EJ, GF, GM & KJ



**Caution**

Very hot water

7659

EJ, GF, GM & KJ



**Warning**

Very hot water

7577

EJ, GF, GM & KJ



**Caution**

Hazardous substance

7665

EJ, GF, GM & KJ



**Warning**

Hazardous substance

7663

EJ, GF, GM & KJ



**Danger**

Hazardous substance

7666

EJ, GF, GM & KJ



**Danger**

Enclosed space

7695

EJ, GF, GM & KJ



3144

KM & PR



3112

KM & PR



3116

KM & PR



3106

KM & PR



3110

KM & PR



3114

KM & PR



# Hazard signs



7508

EE, GG & JJ



7620

EJ, GF, GM & KJ



7623

EJ, GF, GM & KJ



7501

EE, GG & JJ



7573

EJ, GF, GM & KJ



7574

EJ, GF, GM & KJ



7502

EE, GG & JJ



7667

EJ, GF, GM & KJ



7570

EJ, GF, GM & KJ



7669

EJ, GF, GM & KJ



7671

EJ, GF, GM & KJ



7548

EJ, GF, GM & KJ



7503

EE, GG & JJ



7672

EJ, GF, GM & KJ



7571

EJ, GF, GM & KJ



7560

EJ, GF, GM & KJ



3103

KM & PR



7504

EE, GG & JJ



7580

EJ, GF, GM & KJ



7581

EJ, GF, GM & KJ



7582

EJ, GF, GM & KJ



7583

EJ, GF, GM & KJ



7584

EJ, GF, GM & KJ



7585

EJ, GF, GM & KJ



3100

KM & PR



3101

KM & PR



3108

MM



3102

KM & PR



3104

KM & PR



# Hazard signs

Vessel managers and captains are obliged to identify hazards onboard. It is important to ensure that crew members are warned of actual hazards and the realistic consequence of ignoring them. Once identification is complete and the location of hazards is accomplished a good risk assessment will include measures to reduce and control risk.

 <b>7505</b> EE, GG & JJ	 <b>Caution Acid</b> <b>7675</b> EJ, GF, GM & KJ	 <b>Warning Acid</b> <b>7590</b> EJ, GF, GM & KJ	 <b>Caution Battery acid</b> <b>7676</b> EJ, GF, GM & KJ	 <b>Warning Battery acid</b> <b>7591</b> EJ, GF, GM & KJ	 <b>Warning Caustic</b> <b>7597</b> EJ, GF, GM & KJ
 <b>Warning Corrosive substance</b> <b>7596</b> EJ, GF, GM & KJ	 <b>Warning Corrosion risk</b> <b>7678</b> EJ, GF, GM & KJ	 <b>Warning Dangerous chemicals</b> <b>7696</b> EJ, GF, GM & KJ			
 <b>7506</b> EE, GG & JJ	 <b>Warning Toxic</b> <b>7600</b> EJ, GF, GM & KJ	 <b>Danger Toxic</b> <b>7679</b> EJ, GF, GM & KJ	 <b>Danger Chlorine</b> <b>7601</b> EJ, GF, GM & KJ	 <b>Warning Harmful vapours</b> <b>7604</b> EJ, GF, GM & KJ	 <b>Warning Harmful chemicals</b> <b>7605</b> EJ, GF, GM & KJ
 <b>Danger Cyanide</b> <b>7586</b> EJ, GF, GM & KJ	 <b>Warning Chemical locker</b> <b>7694</b> EJ, GF, GM & KJ	 <b>Warning Cleaning chemicals</b> <b>7664</b> EJ, GF, GM & KJ			
 <b>Danger High voltage</b> <b>7507</b> EE, GG & JJ	 <b>Danger High voltage</b> <b>7610</b> EJ, GF, GM & KJ	 <b>Danger Electrical hazard</b> <b>7611</b> EJ, GF, GM & KJ	 <b>Danger Electrical shock risk</b> <b>7613</b> EJ, GF, GM & KJ	 <b>Danger Static electricity</b> <b>7587</b> EJ, GF, GM & KJ	 <b>Danger 110 volts</b> <b>7619</b> EJ, GF, GM & KJ
 <b>Danger 115 volts</b> <b>7618</b> EJ, GF, GM & KJ	 <b>Danger 240 volts</b> <b>7617</b> EJ, GF, GM & KJ	 <b>Danger 230 volts</b> <b>7588</b> EJ, GF, GM & KJ	 <b>Danger 240 volts</b> <b>7616</b> EJ, GF, GM & KJ	 <b>Danger 380 volts</b> <b>7615</b> EJ, GF, GM & KJ	 <b>Danger 440 volts</b> <b>7614</b> EJ, GF, GM & KJ
 <b>Danger 3300 volts</b> <b>7625</b> EJ, GF, GM & KJ	 <b>Danger 6600 volts</b> <b>7626</b> EJ, GF, GM & KJ	 <b>Danger Live terminal</b> <b>7627</b> EJ, GF, GM & KJ	 <b>Danger Live wires</b> <b>7628</b> EJ, GF, GM & KJ	 <b>Danger of death</b> <b>7668</b> EJ, GF, GM & KJ	 <b>Warning Radio antennas to be earthed during cargo operations</b> <b>7578</b> EJ, GF, GM & KJ



# Hazard signs



7509

EE, GG & JJ



**Warning**  
Flammable liquid

7631

EJ, GF, GM & KJ



**Danger**  
Flammable liquid

7687

EJ, GF, GM & KJ



**Warning**  
Highly flammable material

7635

EJ, GF, GM & KJ



**Danger**  
Highly flammable material

7688

EJ, GF, GM & KJ



**Warning**  
Fire risk

7630

EJ, GF, GM & KJ



**Danger**  
Highly flammable gases

7632

EJ, GF, GM & KJ



**Danger**  
Flammable atmosphere

7633

EJ, GF, GM & KJ



**Danger**  
L.P.G. flammable

7634

EJ, GF, GM & KJ



**Danger**  
Low flash point

7636

EJ, GF, GM & KJ



**Warning**  
Oxygen

7700

EJ, GF, GM & KJ



**Warning**  
Acetylene

7701

EJ, GF, GM & KJ



3105  
KM & PR



3142  
KM & PR



3143  
KM & PR



7511

EE, GG & JJ



**Warning**  
Radiation risk

7660

EJ, GF, GM & KJ



**Danger**  
Non-ionizing radiation

7515

EE, GG & JJ



**Warning**  
Non-ionizing radiation

7673

EJ, GF, GM & KJ



3109  
KM & PR



7514

EE, GG & JJ



**Danger**  
Biological hazard

7680

EJ, GF, GM & KJ



**Danger**  
of infection

7681

EJ, GF, GM & KJ



7510

EE, GG & JJ



**Caution**  
Noise

7650

EJ, GF, GM & KJ



**Caution**  
High noise levels

7689

EJ, GF, GM & KJ



7523

EE, GG & JJ



**Warning**  
Low temperature

7691

EJ, GF, GM & KJ



**Warning**  
Freezing conditions

7692

EJ, GF, GM & KJ



7524

EE, GG & JJ



**Caution**  
Hot surface

7693

EJ, GF, GM & KJ



**Warning**  
Hot surface

7579

EJ, GF, GM & KJ



# 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.

<b>5800</b> EE, GG & JJ	<b>5801</b> EE, GG & JJ	<b>5802</b> EE, GG & JJ	<b>5803</b> EE, GG & JJ	<b>5804</b> EE, GG & JJ	<b>5805</b> EE, GG & JJ
<b>5806</b> EE, GG & JJ	<b>5807</b> EE, GG & JJ	<b>5808</b> EE, GG & JJ	<b>5809</b> EE, GG & JJ	<b>5811</b> EE, GG & JJ	<b>5812</b> EE, GG & JJ
<b>5814</b> EE, GG & JJ	<b>5815</b> EE, GG & JJ	<b>5816</b> EE, GG & JJ	<b>5817</b> EE, GG & JJ	<b>5818</b> EE, GG & JJ	<b>5819</b> EE, GG & JJ
<b>5820</b> EE, GG & JJ	<b>5821</b> EE, GG & JJ	<b>5822</b> EE, GG & JJ	<b>5839</b> EE, GG & JJ	<b>5840</b> EE, GG & JJ	<b>5841</b> EE, GG & JJ
<b>5830</b> FL & JQ			<b>5831</b> FL & JQ		
<b>5642</b> EE, GG & JJ	<b>5709</b> EJ, GF, GM & KJ	<b>5710</b> EJ, GF, GM & KJ	<b>5733</b> EJ, GF, GM & KJ	<b>5785</b> EJ, GF, GM & KJ	<b>5786</b> EJ, GF, GM & KJ
<b>5648</b> EE, GG & JJ	<b>5722</b> EJ, GF, GM & KJ	<b>5723</b> EJ, GF, GM & KJ	<b>5721</b> EJ, GF, GM & KJ	<b>5791</b> EJ, GF, GM & KJ	<b>5792</b> EJ, GF, GM & KJ





# 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



**Eye protection must be worn when operating this machine**

5787

EJ, GF, GM & KJ



**Eye 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



**Respirators 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 must be worn when welding**

5735

EJ, GF, GM & KJ



5649

EE, 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**

5799

EJ, GF, GM & KJ



**High visibility clothing must be worn in this area**

5782

EJ, GF, GM & KJ



5652

EE, GG & JJ



**Harness must be worn**

5743

EJ, GF, GM & KJ



5656

EE, GG & JJ



**Lifejackets must be worn at all times**

5742

EJ, GF, GM & KJ



# Mandatory signs



5675  
EJ, GF, GM & KJ



5851  
EJ, GF, GM & KJ



5679  
EJ, GF, GM & KJ



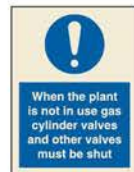
5854  
EJ, GF, GM & KJ



5852  
EJ, GF, GM & KJ



5872  
EJ, GF, GM & KJ



5873  
EJ, GF, GM & KJ



5874  
EJ, GF, GM & KJ



5881  
EJ, GF, GM & KJ



5876  
EJ, GF, GM & KJ



5882  
EJ, GF, GM & KJ



5871  
EJ, GF, GM & KJ



5875  
EJ, GF, GM & KJ



5729  
EJ, GF, GM & KJ



5708  
EJ, GF, GM & KJ



5744  
EJ, GF, GM & KJ



5727  
EJ, GF, GM & KJ



5707  
EJ, GF, GM & KJ



5641  
EE, GG & JJ



5658  
EE, GG & JJ



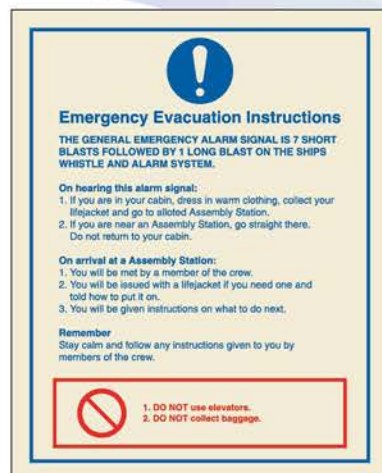
5655  
EE, GG & JJ



5653  
EE, GG & JJ



5657  
EE, GG & JJ



5900  
LK



5901  
LK



5902  
GF & KJ










































5903  
GF & KJ

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.


































# 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.

<p><b>Refrigerated Space</b></p>  <p><b>Caution</b> Low temperature and slip hazard</p>  <p><b>No smoking</b></p>  <p><b>Wear hairnet at all times</b></p> <p>3122 ♦ MM</p>	<p><b>Battery Locker</b></p>  <p><b>Danger</b> Battery acid</p>  <p>No entry to unauthorised personnel No smoking or naked lights</p>  <p>Minimum safety requirements: Overalls Face shield Safety gloves</p> <p>3123 ♦ MM</p>	<p><b>Galley</b></p>  <p><b>No smoking</b></p>  <p><b>Wash hands before preparing food</b></p>  <p>Minimum safety requirements: Hairnet Safety footwear</p> <p>3124 ♦ MM</p>
<p><b>Machinery Space</b></p>  <p><b>Caution</b> Space protected by gas flood system, if alarm sounds evacuate immediately Machinery may start and stop without warning</p>  <p>No entry to unauthorised personnel No smoking or naked lights except in designated areas</p>  <p>Minimum safety requirements: Overalls Head protection Ear defenders Safety boots</p> <p>3111 ♦ MM</p>	<p><b>Gas Bottle Store</b></p>  <p><b>Danger</b> Compressed gases</p>  <p>No entry to unauthorised personnel No smoking or naked lights</p>  <p><b>Keep well ventilated</b></p> <p>3125 ♦ MM</p>	<p><b>Paint Locker</b></p>  <p><b>Danger</b> Flammable liquid</p>  <p>No entry to unauthorised personnel No smoking or naked lights</p>  <p><b>Keep well ventilated</b></p> <p>3126 ♦ MM</p>
<p><b>Chemical Locker</b></p>  <p><b>Danger</b> Flammable liquid</p>  <p>No entry to unauthorised personnel No smoking or naked lights</p>  <p><b>Keep well ventilated</b></p> <p>3141 ♦ MM</p>	<p><b>Switch Board</b></p>  <p><b>Danger</b> High voltage</p>  <p>No entry to unauthorised personnel No smoking or naked lights</p>  <p>Minimum safety requirements: Overalls Safety gloves Ear defenders Safety boots</p> <p>3127 ♦ MM</p>	<p><b>Forecastle Space</b></p>  <p><b>Caution</b> Space protected by gas flood system, if alarm sounds evacuate immediately Machinery may start and stop without warning</p>  <p>No entry to unauthorised personnel No smoking or naked lights</p>  <p>Minimum safety requirements: Overalls Head protection Ear defenders Safety boots</p> <p>3128 ♦ MM</p>
<p><b>Fridge Machinery</b></p>  <p><b>Danger</b> Toxic fumes Machinery may start without warning</p>  <p>No entry to unauthorised personnel No smoking or naked lights</p>  <p><b>Keep well ventilated</b></p> <p>3129 ♦ MM</p>	<p><b>Emergency Generator</b></p>  <p><b>Danger</b> High voltage Machinery may start without warning</p>  <p>No entry to unauthorised personnel No smoking or naked lights</p>  <p>Minimum safety requirements: Overalls Safety gloves Ear defenders Safety boots</p> <p>3135 ♦ MM</p>	<p><b>Steering Gear</b></p>  <p><b>Danger</b> Moving machinery</p>  <p>No entry to unauthorised personnel No smoking or naked lights</p>  <p>Minimum safety requirements: Overalls Safety gloves Ear defenders Safety boots</p> <p>3136 ♦ MM</p>
<p>3129 ♦ MM</p>	<p><b>Pump-Room</b></p>  <p><b>Caution</b> Confined space with moving machinery</p>  <p>No entry to unauthorised personnel No smoking or naked lights</p>  <p>Minimum safety requirements: Overalls Head protection Ear defenders Safety boots</p> <p>3137 ♦ MM</p>	<p>3136 ♦ MM</p>

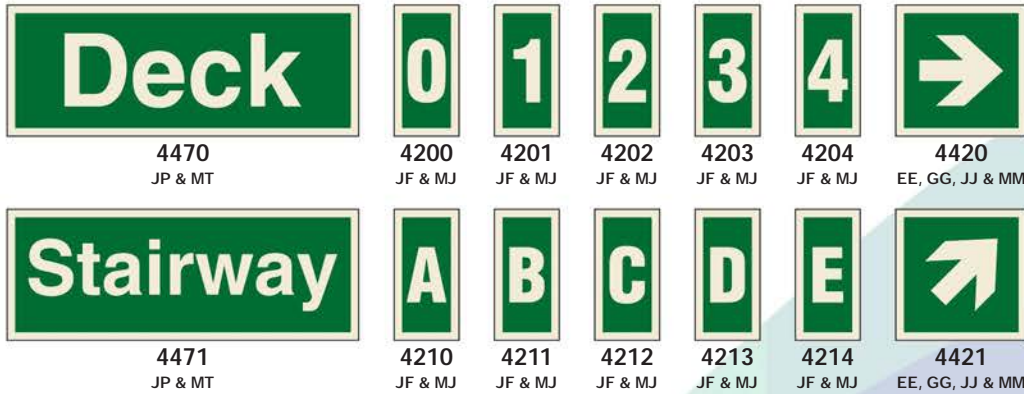


# Accommodation signs

 5803 EE, GG & JJ	 5826 EE, GG & JJ	 5809 EE, GG & JJ	 5811 EE, GG & JJ	 5822 EE, GG & JJ	 5800 EE, GG & JJ
 5877 EJ, GF, GM & KJ	 5878 EJ, GF, GM & KJ	 8574 EJ, GF, GM & KJ	 8619 EJ, GF, GM & KJ		
 8500 EE, GG & JJ	 8524 EE, GG & JJ	 8505 EE, GG & JJ	 8515 EE, GG & JJ	 4198 EE, GG & JJ	 4199 EE, GG & JJ
 8520 FK	 8530 EJ, GF, GM & KJ	 8550 EJ, GF, GM & KJ	 8582 EJ, GF, GM & KJ		
 8575 FK	 4185 EJ, GF, GM & KJ	 4180 EJ, GF, GM & KJ	 4186 EJ, GF, GM & KJ		
 2918 EJ, GF, GM & KJ	 2919 EJ, GF, GM & KJ	 2920 EJ, GF, GM & KJ	 2876 EJ, GF, GM & KJ		
 2941 FE & JG	 2942 FE & JG	 2940 EE, GG & JJ	 2932 FG & JK	 2931 FG & JK	 2929 FG & JK
 5728 EJ, GF, GM & KJ	 5769 EJ, GF, GM & KJ	 8002 EJ, GF, GM & KJ	 8003 EJ, GF, GM & KJ	 8001 GJ	 7000 EJ, GF, GM & KJ
				 8000 FH	 5680 EJ, GF, GM & KJ

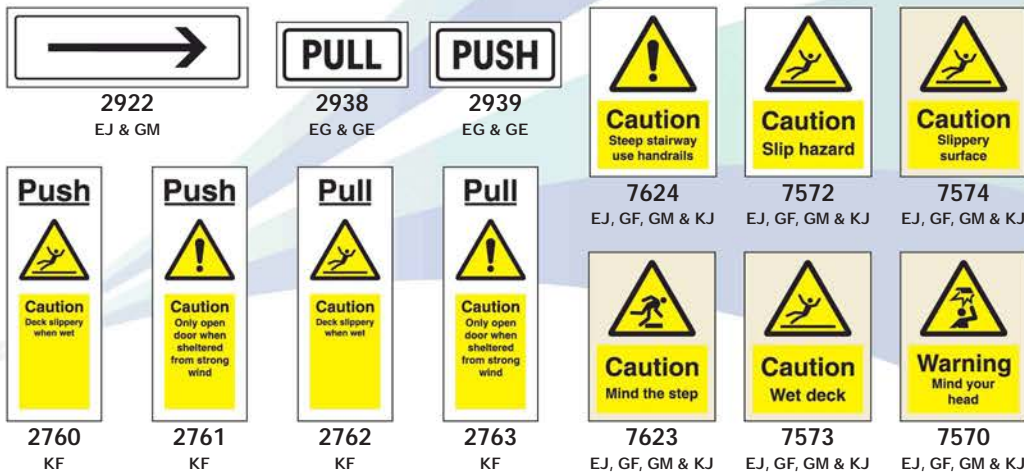


# Accommodation signs



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.

Products 4472 and 4473 are designed so that the deck and stairway identification mark can be included on the sign. Please supply deck number or letter when ordering.



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



- 2740Z ♦ - Caution Maintenance in progress
- 2741Z ♦ - Caution Wet floor
- 2742Z ♦ - Caution Slippery surface
- 2743Z ♦ - Out of order
- 2744Z ♦ - Caution Men working overhead
- 2745Z ♦ - Caution Wet paint
- 2746Z ♦ - Caution Trip hazard
- 2747Z ♦ - Caution Cleaning in progress
- 2748Z ♦ - Caution No unauthorised persons beyond this point
- 2750Z ♦ - Caution Wet deck

- 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 message.



# Galley signs



**Deep fat fryer**  
Wear rubber gloves

1. Drain fat and wipe off excess grease and oil.
2. Fill with warm water and air in alkaline based detergent (follow makers directions).
3. Heat to 90-95°C and switch off heater. Leave for 15 minutes stirring continuously.
4. Submerge utensils and baskets in same solution for 5-10 minutes. Remove and scour clean. Rinse and dry thoroughly.
5. Drain off the fryer, scrape away remaining solids, rinse out well and dry thoroughly.

5762  
LK



**Dangerous machine**

1. Only trained operators are allowed to use this machine.
2. Operators under training may only use this machine under skilled supervision.
3. Check that the guards are in place before operating.
4. Before commencing to clean or dismantle the machine, the operator must check that power has been switched off or the power plug removed.
5. Switch off when not in use.

5757  
LK



This is a food production area  
In the interests of hygiene  
protective garments must be worn

5746  
EJ & GM



**Deep fat fryer**  
Before commencing to clean or dismantle the machine, the operator must check that power has been switched off or the power plug removed.

5748  
EJ & GM



**Slicing machine**  
Before commencing to clean or dismantle the machine, the operator must check that power has been switched off or the power plug removed.

5750  
EJ & GM



**Mixing/Mixing machine**  
Before commencing to clean or dismantle the machine, the operator must check that power has been switched off or the power plug removed.

5753  
EJ & GM



**The safe use of knives**

1. Always select the correct knife for the task.
2. Knives should be kept sharp and have handles that can be properly held.
3. When using a knife, use a firm grip, try to use one pressure for cutting, not downwards and avoid cutting towards the body.
4. Never try to catch a falling knife.
5. Knives should not be left lying around on surfaces or tables. They should not be placed unattended in cupboards or drawers, or left in washing up water. They should always be stored in suitable sheaths or racks.
6. Cutting blocks, tables and boards should be firm, securely fixed down.
7. There should always be enough room so that a person using a knife is not in danger of being struck by another person, or pieces another person's food.
8. Never push yourself with a knife in your hand, unless the blade is covered.

5765  
LK



**Protective clothing must be worn in this area**

5764  
LK



**Convector oven**  
Switch off heater fan button before opening doors.

5751  
EJ & GM



**Steam oven**  
Open door sufficiently to break the seal and allow steam and water to escape before opening fully.

5752  
EJ & GM



**Potato chipping machine**  
Switch off/disconnect power supply at mains before changing or attempting to dislodge blockages.

5754  
EJ & GM



**Blanching machine**  
Before commencing to clean or dismantle the machine, the operator must check that power has been switched off or the power plug removed.

5755  
EJ & GM



**Keep hands clear when machine is operating**  
Disconnect power supply before cleaning

5761  
LK



**Oven safety**

1. Employees must be fully and suitably trained before using this equipment.
2. Users must be warned regarding dangers and heat under supervision until fully competent.
3. Hot surfaces must be clearly indicated by warning signs.
4. Always use the protective clothing / equipment provided (see annex).
5. When opening the oven door and transferring items, look out for other staff.
6. Disconnect from mains electrical supply and allow to cool before cleaning.
7. Report all equipment faults immediately to the plant engineer. Do not use defective equipment.
8. Switch off the oven when not in use.

5766  
LK



**Microwave Oven**

1. As a safety precaution do not touch controls until the oven when it is switched on.
2. Metal containers such as tin foil must not be placed in this oven.

8618  
EJ & GM



**Warning Hot**

7569  
EJ, GF, GM & KJ



**Caution Hot surface**

7693  
EJ, GF, GM & KJ



**Warning Hot surface**

7579  
EJ, GF, GM & KJ



**IMPORTANT NOTICE FOR CATERING STAFF REFRIGERATORS**

Reduce the use and ensure doors are always closed. Frequent opening increases food loss and raises the cost of electricity consumed.

Always Fridge must be kept clean and free from clutter. Fridge feet must be level and doors must be properly closed. Fridge feet must be level and doors must be properly closed.

Always Fridge must be kept clean and free from clutter. Fridge feet must be level and doors must be properly closed.

Always Fridge must be kept clean and free from clutter. Fridge feet must be level and doors must be properly closed.

5705  
LK



**IMPORTANT NOTICE FOR CATERING STAFF DEEP FREEZERS**

Ensure that the freezer is properly maintained and the door is closed. Ensure that the freezer is properly maintained and the door is closed.

Ensure that the freezer is properly maintained and the door is closed. Ensure that the freezer is properly maintained and the door is closed.

Ensure that the freezer is properly maintained and the door is closed. Ensure that the freezer is properly maintained and the door is closed.

5706  
LK



**2006 FOOD ACT AND COOK-CHILL GUIDELINES**

The key factors controlling the growth of micro-organisms are temperature, moisture and oxygen.

The temperature of the food must be controlled to prevent the growth of micro-organisms.

The temperature of the food must be controlled to prevent the growth of micro-organisms.

1402  
KG



**Warning Low temperature**

7691  
EJ, GF, GM & KJ



**Raw meat only**

5774  
EE, GG & JJ



**Dairy products only**

5775  
EE, GG & JJ



**All food must be covered**

5776  
EE, GG & JJ



**This door must be kept closed**

5777  
EE, GG & JJ



**Raw meat must be stored below cooked meat**

5778  
EE, GG & JJ



**Defrosted food must not be refrozen**

2884  
EE, GG & JJ



# Galley signs

 <b>5654</b> EE, GG & JJ	 <b>5728</b> EJ, GF, GM & KJ	 <b>5737</b> EJ, GF, GM & KJ	 <b>5745</b> EJ, GF, GM & KJ	 <b>5789</b> EJ, GF, GM & KJ	 <b>5760</b> LK
 <b>5659</b> EE, GG & JJ	 <b>5736</b> EJ, GF, GM & KJ	 <b>5783</b> EJ, GF, GM & KJ	 <b>5738</b> EJ, GF, GM & KJ	 <b>5779</b> EJ, GF, GM & KJ	 <b>5759</b> LK
 <b>5740</b> EJ, GF, GM & KJ	 <b>5851</b> EJ, GF, GM & KJ	 <b>5675</b> EJ, GF, GM & KJ	 <b>5674</b> EJ, GF, GM & KJ	 <b>5744</b> EJ, GF, GM & KJ	 <b>5784</b> Y
 <b>8550</b> EJ, GF, GM & KJ	 <b>8530</b> EJ, GF, GM & KJ	 <b>4170</b> GF & KJ	 <b>4180</b> EJ, GF, GM & KJ	 <b>4185</b> EJ, GF, GM & KJ	
 <b>5690</b> FK	 <b>5691</b> FK	 <b>5692</b> FK	 <b>3115</b> GJ & KM		
 <b>5693</b> FK	 <b>5694</b> FK	 <b>5695</b> FK	 <b>8619</b> EJ, GF, GM & KJ		
 <b>5696</b> FK	 <b>5697</b> FK	 <b>8567</b> EJ, GF, GM & KJ			

Food hygiene requires that food must be protected from the risk of contamination and the instruction in this range of signs reinforces these requirements.

**MARPOL 73/78 Annex V** prohibits the discharge of all garbage into the sea unless expressly provided for otherwise. The vessel Garbage Management Plan stresses the importance of reusing and recycling ship generated waste.



# Deck & Engine room signs

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

 <b>Ships office</b> 2874 EJ & GM	 <b>Cargo control room</b> 2878 EJ & GM	 <b>Safety locker</b> 2879 EJ & GM	 <b>SAFE OPERATION</b> CARGO SURVEYORS & TERMINAL REPRESENTATIVES shall be guided by vessel's staff before commencement of any operation, such as: Sampling Gauging Hose connection Tank entry Opening of any cargo hatches, ullage-openings etc. Any surveyors or terminal representative failing to comply with this instruction will be requested to leave the vessel immediately. 2701 LJ	
 <b>Office</b> 2908 EJ & GM	 <b>Engine control room</b> 2877 EJ & GM	 <b>Pollution control equipment</b> 4181 EJ, GF, GM & KJ		
 <b>Warning</b> Radio antennas to be earthed during cargo operations. 7578 EJ, GF, GM & KJ	 <b>Warning Oxygen</b>	 <b>Warning Acetylene</b>	 <b>Danger</b> You are entering a CO <sub>2</sub> protected area 7545 EJ, GF, GM & KJ	 <b>Warning Dangerous cargo</b> <b>No visitors</b> <b>No smoking</b> <b>No naked lights</b> No mobile phones, pagers or other electronic equipment to be turned on except in specified areas. International shore connection is located at: MASTER 3014 VR (1000x600mm)
 <b>Do not enter the pump-room</b> without permission from the Chief Officer. 8546 EJ, GF, GM & KJ	 <b>No hot work</b> 8539 EJ, GF, GM & KJ	 <b>No workwear beyond this point</b> 8574 EJ, GF, GM & KJ	 <b>Switch off mobile phones, pagers, cameras etc.</b> 8570 EJ, GF, GM & KJ	
 <b>CO<sub>2</sub> protected area</b> On hearing alarm vacate space immediately. Close all exits behind you. 5876 EJ, GF, GM & KJ	 <b>Gas flood system protected area</b> On hearing alarm vacate space immediately. Close all exits behind you. 5881 EJ, GF, GM & KJ	 This door must be kept closed during loading, discharging, ballasting, tank cleaning and gas freeing operations. 5872 EJ, GF, GM & KJ	 No fire loop to be isolated without the knowledge of the watch officer. No fire loop to be kept isolated for longer than the period required. Signed: Master 5853 EJ, GF, GM & KJ	 <b>Danger Confined space</b> <b>Do not enter without a permit to work</b> 3110 KM & PR
 When the plant is not in use gas cylinder valves and other valves must be shut. 5873 EJ, GF, GM & KJ	 <b>Ventilation to be used prior to entry</b> 5852 EJ, GF, GM & KJ	 <b>Life jackets to be worn</b> 5790 EJ, GF, GM & KJ	 <b>Personal protective equipment is provided. USE IT</b> 5678 EJ, GF, GM & KJ	 <b>Danger Confined space</b> <b>No unauthorised entry</b> 3120 KM & PR
 <b>Man overboard</b> 1. Throw lifebuoy. 2. Keep man in sight. 3. Inform the bridge or the officer of the watch. 4. State man overboard and give location. 5902 EJ, GF, GM & KJ	 <b>Rescue boat launching</b> Company safety instructions must be consulted before launching for drill. Ensure a risk assessment has been carried out and all control measures are in place before launching. 5110 FG & JK	 <b>Liferaft launching</b> Company safety instructions must be consulted before launching for drill. Ensure a risk assessment has been carried out and all control measures are in place before launching. 5111 FG & JK	 <b>Lifeboat launching</b> Company safety instructions must be consulted before launching for drill. Ensure a risk assessment has been carried out and all control measures are in place before launching. 5112 FG & JK	 <b>Secure painter to strong point before launching</b> 5875 EJ, GF, GM & KJ

Any space protected by a fixed gas 'blanketing' fire extinguishing system must have all entrance doors and hatches marked by the appropriate sign.





# 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.



2540 ◆  
HF



2532 ◆  
HF



8692  
EJ, GF, GM & KJ



8691  
EJ, GF, GM & KJ



8690  
EJ, GF, GM & KJ



5855  
EJ, GF, GM & KJ



5825  
EJ, GF, GM & KJ



5824  
EJ, GF, GM & KJ



2896  
NM



2889  
GG & JJ



2974  
GG & JJ



2419  
GG & JJ



3139 ◆  
MM

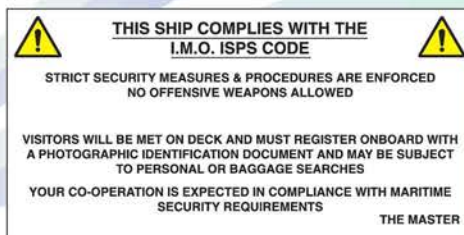


2700 ◆  
(sold in sheets of 10)



2924  
MM

Security seal manufactured from a special plastic which tears when attempts to peel it off are made. Ideal for securing bonds etc.



3140 ◆  
450x900mm



3138 ◆  
PM



2894  
MM

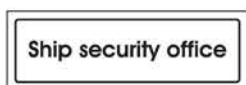
A rigid PVC sign with printed insert which allows the level of security to be changed and shown through a window in the front face.



2703 ◆  
JM



8695 ◆  
KM & LQ



2895  
EJ & GM



2909  
EJ & GM



2893 ◆  
50x25mm



2892 ◆  
50x25mm



2891 ◆  
50x25mm



2890 ◆  
50x25mm

The signs on the left (2890-93) can be placed beside the lock on a door to indicate the correct status of specific security levels.

(sold in sheets of 10)



# 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.

**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 this task however certain situations require the written word.

An increasing number of signs and **ISM Safety WORKS** posters are now available in languages other than English ensuring important messages are understood by crew members whose first language is not English.



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





# 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.



**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.

**Lifeboat Launching**  
Procedures for launching sportsmen-rescued lifeboats. Take care that powerline is fitted.

An ISM Code Safety Poster

1001W

**Liferaft Launching**  
Procedures for launching inflatable liferafts

An ISM Code Safety Poster

1002W

**Fully Enclosed Lifeboat Launching from Stowed Position**  
Procedures for launching SOLAS Chapter II, regulation 23. See on-board training manual - 1001 frequency

An ISM Code Safety Poster

1004W

**Lifeboat Launching in a Dangerous Atmosphere**  
Procedures for launching an enclosed lifeboat in a dangerous atmosphere

An ISM Code Safety Poster

1005W

**Free Fall Lifeboat Launching**  
Procedures for launching a free fall lifeboat

An ISM Code Safety Poster

1020W

**Davit Launched Liferafts**  
Procedures for davit launching inflatable liferafts

An ISM Code Safety Poster

1045W

**Self Contained Breathing Apparatus**  
Safety procedures for using apparatus in hazardous conditions

An ISM Code Safety Poster

1047W

**Dedicated Fast Rescue Boat Operation**  
SOLAS Chapter II / MSC Circular 1161

An ISM Code Safety Poster

1073W

**Dedicated Rescue Boat Operation**  
SOLAS Chapter II

An ISM Code Safety Poster

1080W



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



# Posters

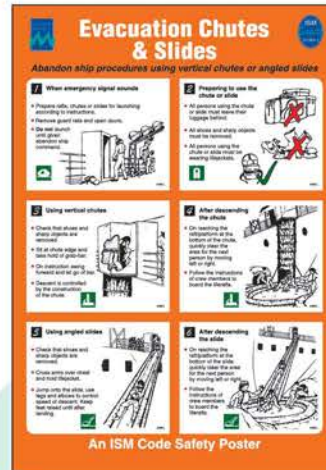
## - Emergency preparedness



1016W



1003W



1046W

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

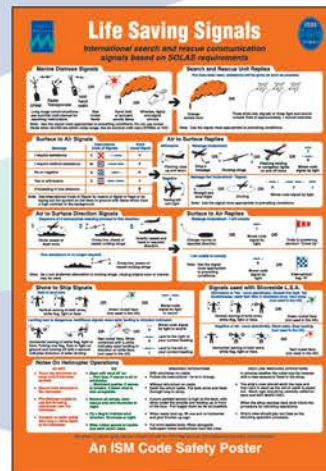
SOLAS Chapter III, Regulation 30 states that on passenger ships an abandon ship drill and fire drill shall take place weekly.



1017W



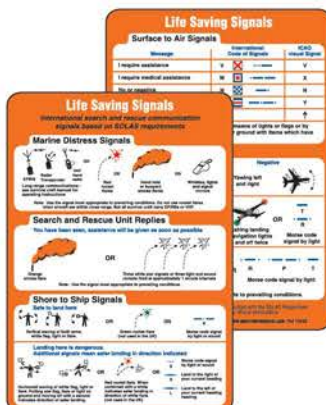
1031W



1058W

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.



1059Z ♦ (Double sided)

EMERGENCY MUSTER LIST					
<b>PREPARED BY:</b> _____ <b>DATE:</b> _____		<b>CONTROL TEAM</b> Master at _____ NAME RANK DIVISION		<b>FIRST EMERGENCY TEAM</b> NAME RANK DIVISION	
<b>ABANDON SHIP</b> Signal: Continuous sounding of the ship's alarm system, and/or the general emergency alarm system.		<b>SECOND EMERGENCY TEAM</b> NAME RANK DIVISION		<b>RESERVE TEAM</b> NAME RANK DIVISION	
<b>MAN OVERBOARD</b> Signal: Three short blasts followed by a long blast.		<b>ENGINE ROOM SUPPORT</b> NAME RANK DIVISION		<b>MAN OVERBOARD PARTY</b> NAME RANK DIVISION	
<b>GENERAL INSTRUCTIONS</b> 1) The person responsible for maintenance of all LSA and fire fighting equipment is... 2) In case of confusion, shouting or shouting out words in order of ascending letters... 3) Communication and maintenance of all LSA shall be the responsibility of the... 4) The muster list shall be readily available to all crew members... 5) The muster list shall be updated as necessary... 6) The muster list shall be signed by the Officer of the Watch...					

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**  
You could be breaking the law  
Any garbage discharge must be recorded

Between 3 miles of land and all inland waterways, you cannot throw anything overboard. Dry waste, cleaning agents, household waste, and paint must not be discharged.

You can throw overboard: Food waste, clean metal, plastic, glass, paper, and other non-hazardous waste.

You cannot throw overboard: Any other form of garbage.

You may be able to discharge: Shipboard waste, including food waste, clean metal, plastic, glass, paper, and other non-hazardous waste.

You cannot throw overboard: Any other form of garbage.

**MARPOL 73/78 ANNEX V REGULATIONS**  
To IMO Resolution MEPC.201(62)

If in doubt don't throw anything overboard

1042Y

**GARBAGE DISPOSAL PLAN - MARPOL 73/78 ANNEX V**  
To IMO Resolution MEPC.201(62)

Discharge of all garbage into the sea is prohibited unless expressly provided for otherwise.

Additional restrictions apply within designated special areas.

Special Areas include, but are not limited to: The Mediterranean Sea area, The Baltic Sea area, The Black Sea area, The Red Sea area, The Gulf of Mexico area, The Caribbean Sea area, The Antarctic area, and The Arctic area.

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.

**DISCHARGE OF OIL PROHIBITED**

The Federal Water Pollution Control Act prohibits the discharge of oil or oily waste into or upon the navigable waters of the United States, or the waters of the contiguous zone, or which may affect natural resources belonging to, appertaining to, or under the exclusive management authority of the United States. If such discharge causes a film or discoloration of the surface of the water or causes sludge or emulsion beneath the surface of the water. Violators are subject to substantial civil penalties and/or criminal sanctions including fines and imprisonment.

The person-in-charge of a vessel or facility must immediately report any discharge of oil or hazardous substance to the National Response Center toll free at: **(800) 424-8802**

1043Y

**Hazard Diamonds**  
For The Carriage of Dangerous Goods

1048Y

**Hazardous Substance Symbols**

1049Y

**Preventing Oil Spills**  
Procedures to reduce the likelihood of oil spills

**Warnings:** The discharge of oil into the sea is prohibited unless expressly provided for otherwise.

**1 Know your ship:** Mark up the deck with the location of all valves and stop valves.

**2 Plug stop valves:** Plug stop valves before bunkering or during bunkering.

**3 Use emergency equipment:** Do not use chemical equipment to clean up oil.

**4 Communications and Identification:** Have an emergency plan for oil spills.

**5 Control pumping rate:** Control the pumping rate to prevent overfilling.

**6 Use stop trays:** Use stop trays to prevent oil from flowing overboard.

An ISM Code Safety Poster

1008W

**Bunkering**  
Safety procedures before, during and after bunkering

**Before bunkering:** Check for leaks, ensure valves are closed, and use stop trays.

**During bunkering:** Check for leaks, ensure valves are closed, and use stop trays.

**After bunkering:** Check for leaks, ensure valves are closed, and use stop trays.

An ISM Code Safety Poster

1022W

**Post Oil Spill Actions**  
Recommended procedures to minimize the effect of an oil spill

**Warnings:** The discharge of oil into the sea is prohibited unless expressly provided for otherwise.

**1 On discovering internal spill:** Stop bunkering, isolate the spill, and clean up.

**2 Check containment:** Check for leaks and ensure containment is effective.

**3 On discovering external spill:** Stop bunkering, isolate the spill, and clean up.

**4 Stop actions for external spill:** Stop bunkering, isolate the spill, and clean up.

An ISM Code Safety Poster

1023W



# Posters

## - Bridge procedures

1010X ♦ (includes pen)

1011X (includes pen)

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

1026X ♦ (encapsulated paper)

1065X (includes pen)

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.

1015W

1034W

1079W



# 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.

**Accommodation Ladders**  
Safe rigging and use of accommodation ladders

**1 General safety**

- Scope of ladders are clearly marked with the following information:
  - MANUFACTURER'S DATA
  - LOADING AND UNLOADING INSTRUCTIONS
  - DATE OF INSPECTION
  - DATE OF REPAIRS
  - DATE OF NEXT INSPECTION
- Ensure the manufacturer's instructions and safety instructions are read and understood.
- Do not use ladders for purposes other than intended.
- Do not use ladders for carrying heavy loads.
- Do not use ladders for climbing overhead structures.
- Do not use ladders for climbing overhead structures.
- Do not use ladders for climbing overhead structures.

**2 Rigging**

- Ensure ladders are used on level surfaces.
- Ensure ladders are used on level surfaces.
- Ensure ladders are used on level surfaces.
- Ensure ladders are used on level surfaces.
- Ensure ladders are used on level surfaces.

**3 Access**

- Do not use ladders for climbing overhead structures.
- Do not use ladders for climbing overhead structures.
- Do not use ladders for climbing overhead structures.
- Do not use ladders for climbing overhead structures.
- Do not use ladders for climbing overhead structures.

An ISM Code Safety Poster

1013W

**Gangways**  
Safe rigging and use of gangways

**1 General safety**

- Ensure gangways are used on level surfaces.
- Ensure gangways are used on level surfaces.
- Ensure gangways are used on level surfaces.
- Ensure gangways are used on level surfaces.
- Ensure gangways are used on level surfaces.

**2 Access**

- Do not use gangways for climbing overhead structures.
- Do not use gangways for climbing overhead structures.
- Do not use gangways for climbing overhead structures.
- Do not use gangways for climbing overhead structures.
- Do not use gangways for climbing overhead structures.

An ISM Code Safety Poster

1014W

**Towing**  
Recommended procedures for safe towing operations

**1 Making fast**

- Ensure towing operations are planned.
- Ensure towing operations are planned.
- Ensure towing operations are planned.
- Ensure towing operations are planned.
- Ensure towing operations are planned.

**2 Making fast**

- Ensure towing operations are planned.
- Ensure towing operations are planned.
- Ensure towing operations are planned.
- Ensure towing operations are planned.
- Ensure towing operations are planned.

**3 Letting go**

- Ensure towing operations are planned.
- Ensure towing operations are planned.
- Ensure towing operations are planned.
- Ensure towing operations are planned.
- Ensure towing operations are planned.

An ISM Code Safety Poster

1021W

**Hot Work**  
Recommended safety preparation for hot work

**1 Plan the work**

- Ensure hot work operations are planned.
- Ensure hot work operations are planned.
- Ensure hot work operations are planned.
- Ensure hot work operations are planned.
- Ensure hot work operations are planned.

**2 Prepare work area**

- Ensure hot work operations are planned.
- Ensure hot work operations are planned.
- Ensure hot work operations are planned.
- Ensure hot work operations are planned.
- Ensure hot work operations are planned.

**3 Safety during and after work**

- Ensure hot work operations are planned.
- Ensure hot work operations are planned.
- Ensure hot work operations are planned.
- Ensure hot work operations are planned.
- Ensure hot work operations are planned.

An ISM Code Safety Poster

1024W

**Working Aloft or Outboard**  
Be aware of the risks when working outboard and aloft

**1 Preparation**

- Ensure working aloft operations are planned.
- Ensure working aloft operations are planned.
- Ensure working aloft operations are planned.
- Ensure working aloft operations are planned.
- Ensure working aloft operations are planned.

**2 Use of portable equipment**

- Ensure working aloft operations are planned.
- Ensure working aloft operations are planned.
- Ensure working aloft operations are planned.
- Ensure working aloft operations are planned.
- Ensure working aloft operations are planned.

**3 Working aloft**

- Ensure working aloft operations are planned.
- Ensure working aloft operations are planned.
- Ensure working aloft operations are planned.
- Ensure working aloft operations are planned.
- Ensure working aloft operations are planned.

An ISM Code Safety Poster

1025W

**Craneage safety**  
Craneage hand signals and safe working practices

**1 Hand signals**

- Ensure craneage operations are planned.
- Ensure craneage operations are planned.
- Ensure craneage operations are planned.
- Ensure craneage operations are planned.
- Ensure craneage operations are planned.

**2 Safe working practices**

- Ensure craneage operations are planned.
- Ensure craneage operations are planned.
- Ensure craneage operations are planned.
- Ensure craneage operations are planned.
- Ensure craneage operations are planned.

An ISM Code Safety Poster

1030W

**Welding & Flamecutting**  
Safety procedures during welding operations

**1 General**

- Ensure welding operations are planned.
- Ensure welding operations are planned.
- Ensure welding operations are planned.
- Ensure welding operations are planned.
- Ensure welding operations are planned.

**2 Protective clothing**

- Ensure welding operations are planned.
- Ensure welding operations are planned.
- Ensure welding operations are planned.
- Ensure welding operations are planned.
- Ensure welding operations are planned.

**3 Precautions against fire & explosions**

- Ensure welding operations are planned.
- Ensure welding operations are planned.
- Ensure welding operations are planned.
- Ensure welding operations are planned.
- Ensure welding operations are planned.

**4 Precautions during gas welding & cutting**

- Ensure welding operations are planned.
- Ensure welding operations are planned.
- Ensure welding operations are planned.
- Ensure welding operations are planned.
- Ensure welding operations are planned.

An ISM Code Safety Poster

1033W

**Engine & Machinery Room Safety**  
Procedures for safe working practice

**1 General**

- Ensure engine operations are planned.
- Ensure engine operations are planned.
- Ensure engine operations are planned.
- Ensure engine operations are planned.
- Ensure engine operations are planned.

**2 Unattended E.R. and machinery spaces**

- Ensure engine operations are planned.
- Ensure engine operations are planned.
- Ensure engine operations are planned.
- Ensure engine operations are planned.
- Ensure engine operations are planned.

**3 Main engines and auxiliaries**

- Ensure engine operations are planned.
- Ensure engine operations are planned.
- Ensure engine operations are planned.
- Ensure engine operations are planned.
- Ensure engine operations are planned.

**4 Refrigeration machinery**

- Ensure engine operations are planned.
- Ensure engine operations are planned.
- Ensure engine operations are planned.
- Ensure engine operations are planned.
- Ensure engine operations are planned.

An ISM Code Safety Poster

1035W

**Shipboard Food Hygiene**  
Recommended procedures for health and safety in pantries, galleys and freezers

**1 Health and hygiene**

- Ensure food hygiene operations are planned.
- Ensure food hygiene operations are planned.
- Ensure food hygiene operations are planned.
- Ensure food hygiene operations are planned.
- Ensure food hygiene operations are planned.

**2 Food preparation**

- Ensure food hygiene operations are planned.
- Ensure food hygiene operations are planned.
- Ensure food hygiene operations are planned.
- Ensure food hygiene operations are planned.
- Ensure food hygiene operations are planned.

**3 Galley and Pantry equipment**

- Ensure food hygiene operations are planned.
- Ensure food hygiene operations are planned.
- Ensure food hygiene operations are planned.
- Ensure food hygiene operations are planned.
- Ensure food hygiene operations are planned.

**4 Temperature control**

- Ensure food hygiene operations are planned.
- Ensure food hygiene operations are planned.
- Ensure food hygiene operations are planned.
- Ensure food hygiene operations are planned.
- Ensure food hygiene operations are planned.

**5 Slips, falls and trip hazards**

- Ensure food hygiene operations are planned.
- Ensure food hygiene operations are planned.
- Ensure food hygiene operations are planned.
- Ensure food hygiene operations are planned.
- Ensure food hygiene operations are planned.

**6 Refrigeration, freezer and store rooms**

- Ensure food hygiene operations are planned.
- Ensure food hygiene operations are planned.
- Ensure food hygiene operations are planned.
- Ensure food hygiene operations are planned.
- Ensure food hygiene operations are planned.

An ISM Code Safety Poster

1044W







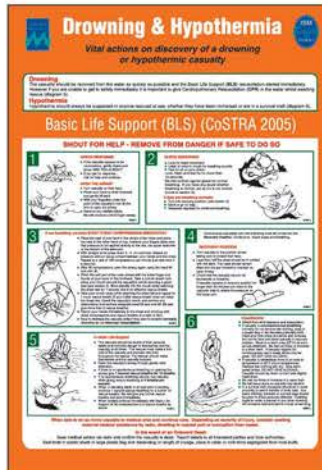
# Posters

## - 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.



1069W



1070W



1038



1040

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



1037Y



1039Y



1041Y

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.



1057W



1067W



1036W



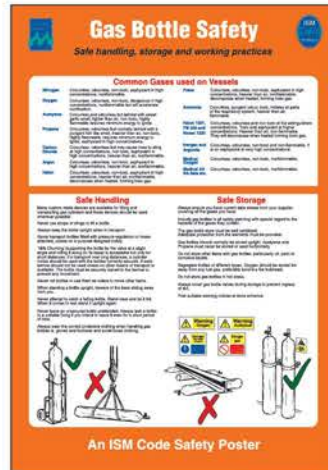
# Posters

- 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.



1072W



1032W



1068Y



1027Y



1426KP



- 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



The **Safety WORKS** series of manuals and record books produced by Maritime Progress complement existing ISM Management Systems and are used in conjunction with **ISM SafetyWORKS** posters. Publications and posters are written in the easily understood **Safety WORKS** format which is ideal for seafarers whose first language may not be English.

## 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.

- Fire prevention
- Fire extinction
- Fire equipment



## 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
- Personal safety
- Life saving appliances



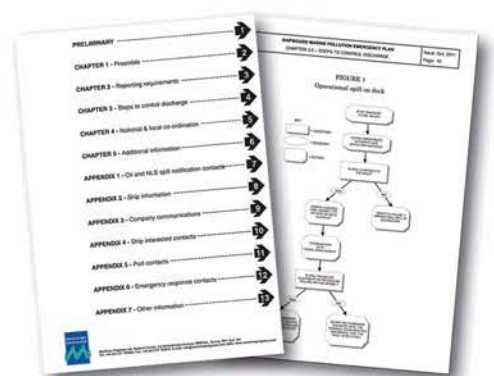
## SOPEP Manual – PB1254Z

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.





# 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.



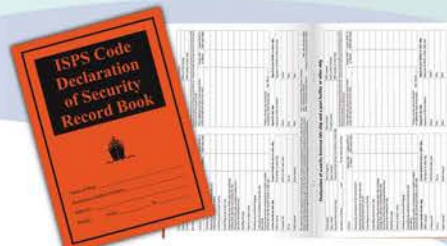
## Water Ballast Record Book – PB1204Y ♦

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.

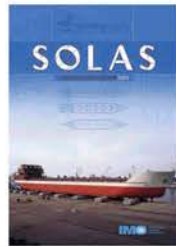




# IMO Publications



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.



SOLAS, Consolidated Edition 2009

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



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

- English I1200E ♦



MARPOL, Consolidated edition 2011

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



Collision Regulations Convention (COLREGS), 2003 Edition

- English IB904E ♦
- French IB904F ♦
- Spanish IB904S ♦



Guide to Maritime Security & ISPS Code, 2012 Edition

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



International Code of Signals, 2005 Edition

- English IA994E ♦
- French IA994F ♦
- Spanish IA994S ♦



ISM Code & Guidelines, 2010 Edition

- English IB117E ♦
- French IB117F ♦
- Spanish IB117S ♦



STCW including 2010 Manila Amendments, 2011 Edition

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



Life-Saving Appliances LSA Code, 2010 Edition

- English ID982E ♦
- French ID982F ♦
- Spanish ID982S ♦



International Conference on Load Lines, 2005 Edition

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



Fire Safety Systems (FSS) Code, 2007 Edition

- English IA155E ♦
- French IA155F ♦
- Spanish IA155S ♦



Ships' Routing, 2010 Edition

- English ID927E ♦



# Temporary tie tags



2501 ♦  
HF



2502 ♦  
HF



2503 ♦  
HF



2504 ♦  
HF



2505 ♦  
HF



2506 ♦  
HF



2507 ♦  
HF



2508 ♦  
HF



2509 ♦  
HF



2510 ♦  
HF



2541 ♦  
HF



2542 ♦  
HF



2520 ♦  
HF



2521 ♦  
HF



2522 ♦  
HF



2523 ♦  
HF



2524 ♦  
HF



2525 ♦  
HF



2526 ♦  
HF



2527 ♦  
HF



2528 ♦  
HF



2529 ♦  
HF



2530 ♦  
HF



2531 ♦  
HF



2532 ♦  
HF



2540 ♦  
HF



2360 ♦

Fine point permanent marker pen for use when marking on tie tags.



Temporary tie tags provide a way to mark items of machinery and areas for safety reasons. The tags are traceable so are ideal when used during maintenance and in connection with the vessel permit to work system. They can form an important element within any ISM system.

These tags are printed on a semi-rigid PVC with a matt finish to allow an authorisation signature and the date to be added in pen. The tags are supplied in packs of ten and come complete with cable ties for easy fixing.



# 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/m<sup>2</sup> @ 10 minutes and 4mcd/m<sup>2</sup> @ 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

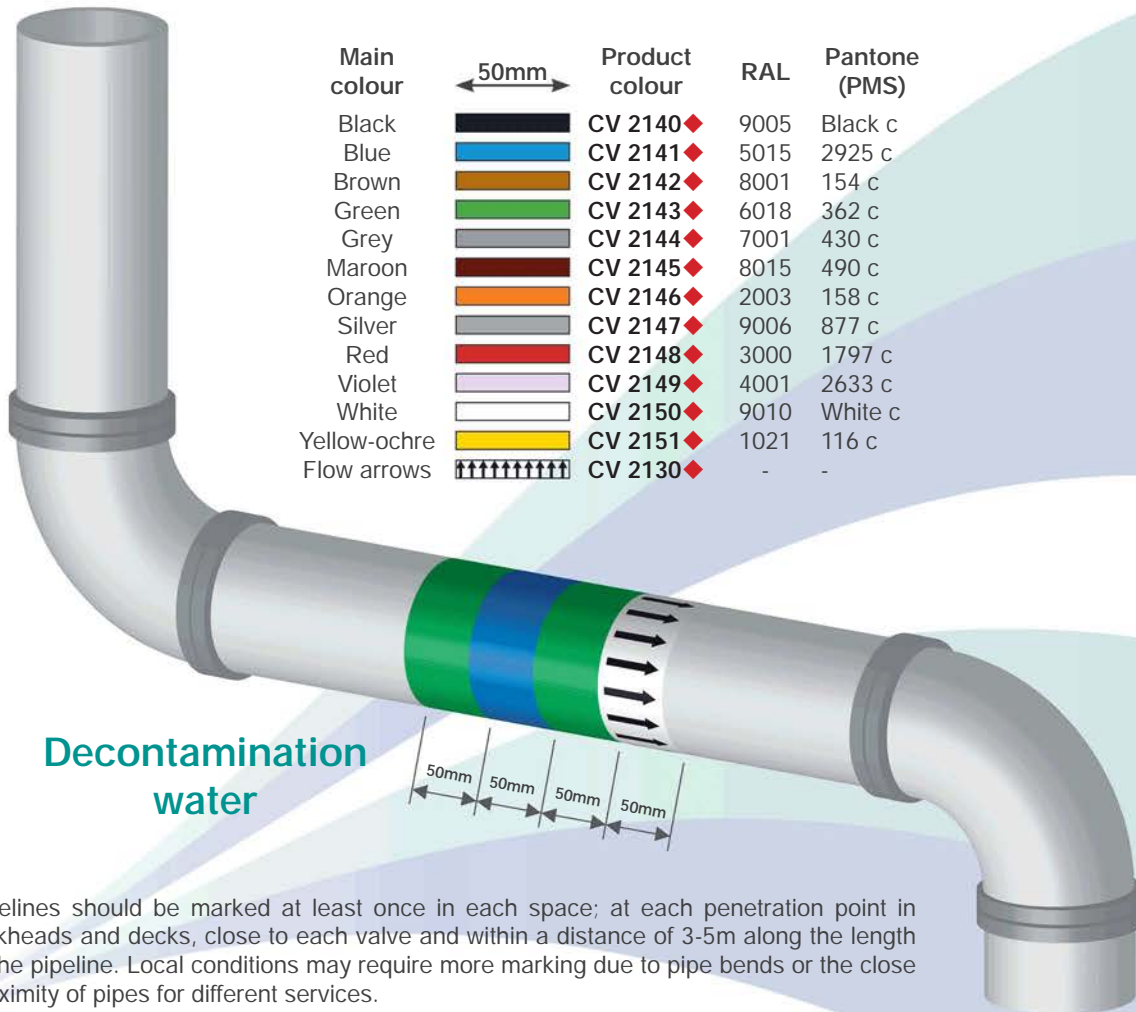






# Pipe identification tape

- ISO 14726



Main colour	50mm	Product colour	RAL	Pantone (PMS)
Black		CV 2140 ♦	9005	Black c
Blue		CV 2141 ♦	5015	2925 c
Brown		CV 2142 ♦	8001	154 c
Green		CV 2143 ♦	6018	362 c
Grey		CV 2144 ♦	7001	430 c
Maroon		CV 2145 ♦	8015	490 c
Orange		CV 2146 ♦	2003	158 c
Silver		CV 2147 ♦	9006	877 c
Red		CV 2148 ♦	3000	1797 c
Violet		CV 2149 ♦	4001	2633 c
White		CV 2150 ♦	9010	White c
Yellow-ochre		CV 2151 ♦	1021	116 c
Flow arrows		CV 2130 ♦	-	-

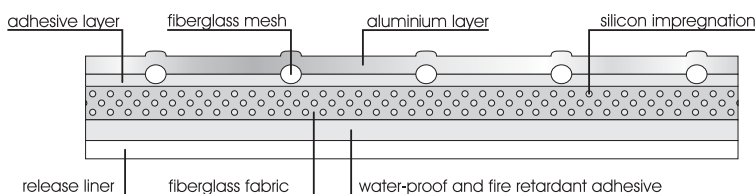
Decontamination water

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.

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	Ref. Nos.
	Flow arrows	2130
	<b>Waste media</b>	<b>Ref. Nos.</b>
Black water		2140-2141-2140
Waste oil/Used oil		2140-2142-2140
Bilge water		2140-2143-2140
Exhaust gas		2140-2144-2140
Grey water		2140-2150-2140
Sewage-contaminated		2140-2151-2140
	<b>Fresh water</b>	<b>Ref. Nos.</b>
Fresh water, sanitary		2141-2142-2141
Potable water		2141-2143-2141
Distillate		2141-2144-2141
Gas turbine fresh water		2141-2146-2141
Feed water		2141-2147-2141
Cooling fresh water		2141-2149-2141
Cooling fresh water		2141-2150-2141
Cooling fresh water		2141-2151-2141
	<b>Sea water</b>	<b>Ref. Nos.</b>
Decontamination water		2143-2141-2143
Sea water, sanitary		2143-2142-2143
Ballast water		2143-2149-2143
Cooling sea water		2143-2151-2143
	<b>Fuel</b>	<b>Ref. Nos.</b>
Heavy fuel oil (H.F.O.)		2142-2140-2142
Aviation fuel		2142-2141-2142
Biological fuel		2142-2149-2142
Gas turbine fuel		2142-2150-2142
Marine diesel fuel (M.D.O.)		2142-2151-2142
	<b>Non-flammable gasses</b>	<b>Ref. Nos.</b>
Oxygen		2144-2141-2144
Inert gas		2144-2142-2144
Nitrogen		2144-2143-2144
Refrigerant		2144-2145-2144
Compressed air-low pressure		2144-2146-2144
Compressed air-high pressure		2144-2148-2144
Control air/Regulating air		2144-2149-2144
Breathing air*		2144-2150-2144
Breathing gas*		2144-2151-2144
	<b>Oil other than fuel</b>	<b>Ref. Nos.</b>
Thermal fluid		2146-2141-2146
Lubrication oil for gas turbines		2146-2143-2146
Hydraulic fluid		2146-2144-2146
Lubrication oil for steam turbines		2146-2147-2146
Lubrication oil for gears		2146-2149-2146
Lubrication oil for combustion engines		2146-2151-2146

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

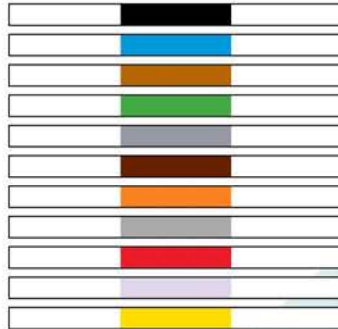


# Pipe identification tape

- to ISO 14726

## Air in ventilation systems

- Discharge air
- Mechanical supply air-cold
- Natural exhaust air
- Atmospheric air
- Mechanical exhaust air
- Decontaminated supply air
- Mechanical recirculated air
- Mechanical supply air-warm
- Smoke clearances
- Conditioned supply air
- Natural supply air



- Ref. Nos.
- 2150-2140-2150
  - 2150-2141-2150
  - 2150-2142-2150
  - 2150-2143-2150
  - 2150-2144-2150
  - 2150-2145-2150
  - 2150-2146-2150
  - 2150-2147-2150
  - 2150-2148-2150
  - 2150-2149-2150
  - 2150-2151-2150

## Fire fighting / fire protection

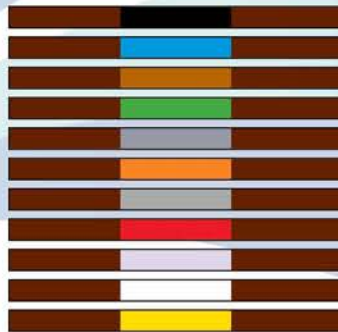
- Fire fighting water
- Fire fighting gas
- Sprinkler water
- Spray water
- Fire fighting powder
- Fire fighting foam



- Ref. Nos.
- 2148-2143-2148
  - 2148-2144-2148
  - 2148-2146-2148
  - 2148-2149-2148
  - 2148-2150-2148
  - 2148-2151-2148

## Air and sounding pipes

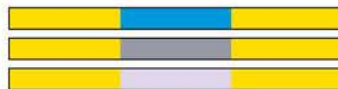
- Waste media
- Fresh water
- Fuel
- Sea water
- Non-flammable gases
- Oil other than fuels
- Steam
- Fire fighting
- Acids and Alkalis
- Ventilation systems
- Flammable gases



- Ref. Nos.
- 2145-2140-2145
  - 2145-2141-2145
  - 2145-2142-2145
  - 2145-2143-2145
  - 2145-2144-2145
  - 2145-2146-2145
  - 2145-2147-2145
  - 2145-2148-2145
  - 2145-2149-2145
  - 2145-2150-2145
  - 2145-2151-2145

## 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

- To BS 1710

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

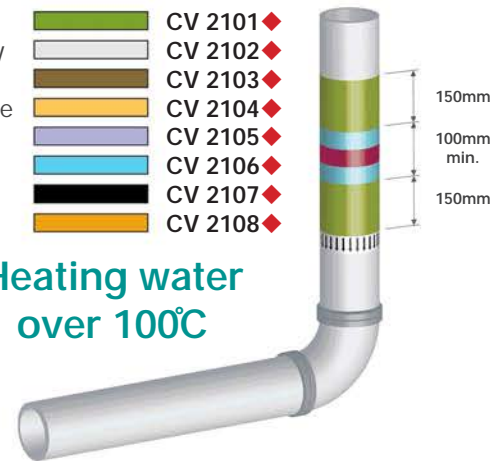
The identification banding is at least 400mm wide therefore tapes of 150mm wide (CV2101 to CV2108) are available in compliance with this standard. Sub category identification of content is done using 50mm tape (CV2111 to CV2121). All tapes are 30m long.

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.

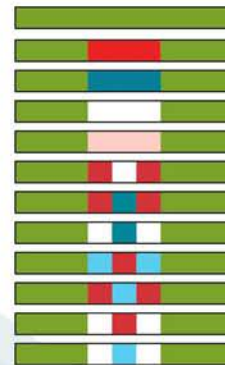
Main colour	50mm	Product colour	Main colour	150mm	Product colour
Red		CV 2111 ♦	Green		CV 2101 ♦
Primrose		CV 2112 ♦	Silver/Grey		CV 2102 ♦
Auxiliary blue		CV 2113 ♦	Brown		CV 2103 ♦
Crimson		CV 2114 ♦	Yellow ochre		CV 2104 ♦
Emerald green		CV 2115 ♦	Violet		CV 2105 ♦
Salmon pink		CV 2116 ♦	Light blue		CV 2106 ♦
White		CV 2117 ♦	Black		CV 2107 ♦
Blue		CV 2118 ♦	Orange		CV 2108 ♦
Sea green		CV 2119 ♦			
Golden brown		CV 2120 ♦			
Dark mauve		CV 2121 ♦			
Flow arrows		CV 2130 ♦			

Heating water  
over 100°C



## Water

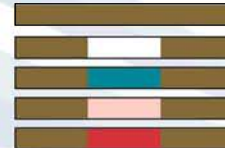
- Sea, river or untreated
- Fire mains
- Drinking
- Cooling (primary)
- Hydraulic power
- Boiler feed
- Condensate
- Chilled
- Heating over 100°C
- Heating under 100°C
- Hot
- Cold



- 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
  - 2101-2117-2115-2117-2101
  - 2101-2118-2114-2118-2101
  - 2101-2114-2118-2114-2101
  - 2101-2117-2114-2117-2101
  - 2101-2117-2118-2117-2101

## Oils

- Furnace
- Diesel
- Lubricating
- Hydraulic power
- Transformer



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

## Gases

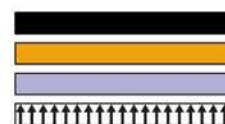
- Compressed air
- Vacuum
- Steam
- Refrigerant 12
- Refrigerant 22
- Refrigerant 502
- Anhydrous ammonia
- Other refrigerants
- Natural gas



- 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

## Others

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



- 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.



**Double sided sticky pads – 2801Z** ◆

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



**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)



**Sign adhesive – 2802Z** ◆

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

**Applicator gun – 2803Z** ◆

## 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.

**1098Z** ◆ - W sized

**1099Z** ◆ - Y sized



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





# IMDG Hazardous substance signs

- With class numbers

SOLAS Chapter VII, Regulation 4 requires all dangerous goods in packaged form to be properly packaged, marked, labeled or placarded, as appropriate. These signs produced on self-adhesive vinyl are available in two sizes and designed in accordance with the requirements of the **International Maritime Dangerous Goods Code (IMDG Code)**.



Class 1  
2203  
GG & LL



Class 1  
2222  
GG & LL



Class 1  
2223  
GG & LL



Class 1  
2224  
GG & LL



Class 1  
2225  
GG & LL



Class 1  
2226  
GG & LL



Class 1  
2227  
GG & LL



Class 1  
2228  
GG & LL



Class 1  
2229  
GG & LL



Class 1  
2248  
GG & LL



Class 1  
2249  
GG & LL



Class 1  
2251  
GG & LL



Class 1  
2252  
GG & LL



Class 2.1  
2207  
GG & LL



Class 2.1  
2294  
GG & LL



Class 2.2  
2208  
GG & LL



Class 2.2  
2295  
GG & LL



Class 2.3  
2209  
GG & LL



Class 3  
2202  
GG & LL



Class 3  
2296  
GG & LL



Class 4.1  
2210  
GG & LL



Class 4.2  
2211  
GG & LL



Class 4.3  
2212  
GG & LL



Class 4.3  
2297  
GG & LL



Class 5.1  
2213  
GG & LL



Class 5.2  
2275  
GG & LL



Class 5.2  
2276  
GG & LL



Class 6.1  
2215  
GG & LL



Class 6.2  
2216  
GG & LL



Class 7  
Category I  
2217  
GG & LL



Class 7  
Category II  
2218  
GG & LL



Class 7  
Category III  
2219  
GG & LL



Class 7  
2253  
GG & LL



Class 8  
2220  
GG & LL



Class 8  
2298  
GG & LL



Class 9  
2221  
GG & LL



# IMDG Hazardous substance signs

- With panel for UN numbers



Class 1  
**2231**  
GG & LL



Class 2.1  
**2254**  
GG & LL



Class 2.2  
**2233**  
GG & LL



Class 2.2  
**2255**  
GG & LL



Class 2.3  
**2234**  
GG & LL



Class 3  
**2232**  
GG & LL



Class 3  
**2256**  
GG & LL



Class 4.1  
**2235**  
GG & LL



Class 4.2  
**2236**  
GG & LL



Class 4.3  
**2237**  
GG & LL



Class 4.3  
**2288**  
GG & LL



Class 5.1  
**2238**  
GG & LL



Class 5.2  
**2277**  
GG & LL



Class 5.2  
**2278**  
GG & LL



Class 6.1  
**2240**  
GG & LL



Class 6.2  
**2241**  
GG & LL



Class 7  
**2242**  
GG & LL



Class 8  
**2243**  
GG & LL



Class 8  
**2244**  
GG & LL



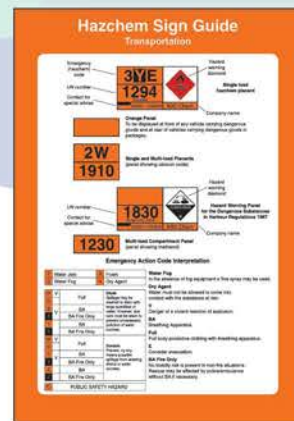
Class 9  
**2230**  
GG & LL



UN Number panel  
(Specify number when ordering)  
**2299**  
120x300MM



1048Y



1050Y



IBC's capable of being stacked  
**2291**  
GG & LL



IBC's not capable of being stacked  
**2292**  
GG & LL



Transport at elevated temp.  
**2293**  
GG & LL



Marine pollutant  
**2279**  
GG & LL



Excepted quantities mark  
**2289**  
GG & LL  
**2290**  
GG & LL



Orientation mark  
**2300**  
GG & LL  
**2301**  
GG & LL

IMDG Code markings to be used on packages as appropriate.

re point  
For use on  
e  
drant

