



THE MARITIME PROGRESS BOOK

MARINE SIGNS - TRAINING POSTERS & MANUALS - SAFETY PLANS

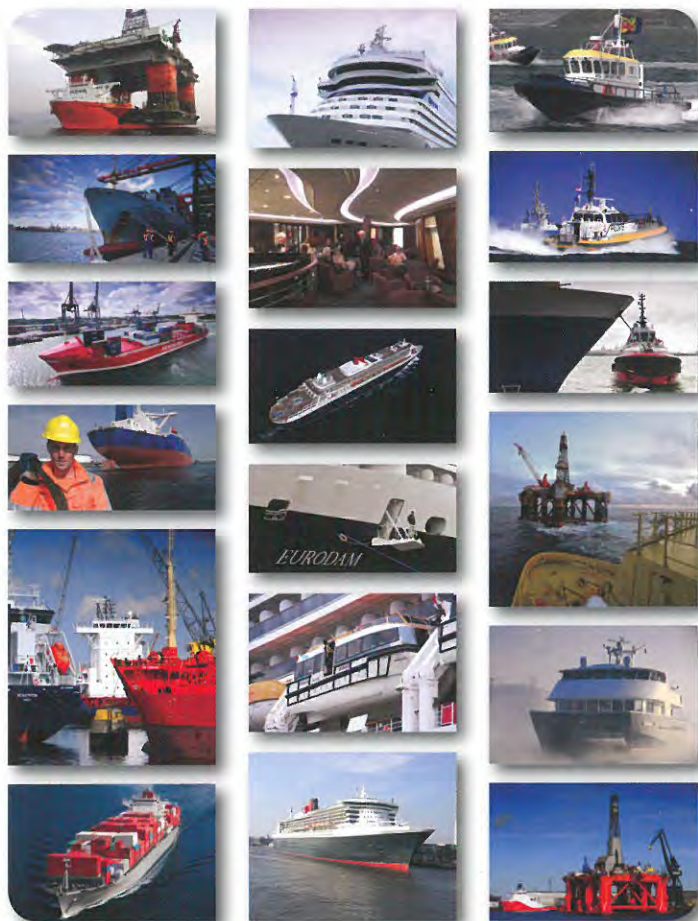
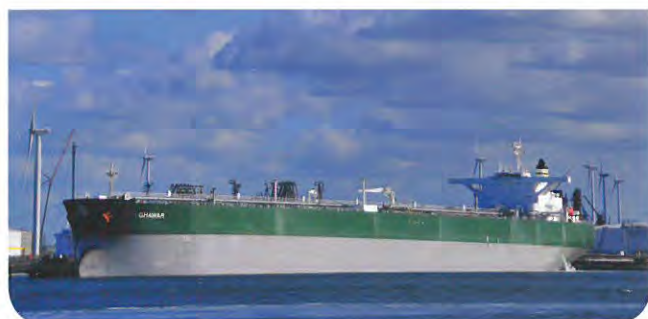
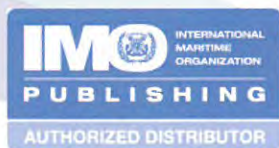


As an International Admiralty Chart Agent, Nautic carries an extensive array of maritime products. Worldwide charts and marine publications are always kept in stock, as are publications from IMO, ITU and other United Nations organizations. Nautical charts and publications in digital format are in ever increasing demand. Nautic is well equipped to cater to all needs of a vessel regarding ENC charts, as well as digital publications and programs. To help vessels and ship managers comply with § 11 of the ISM code, Nautic offers a subscription service which ensures that charts and publications are always kept up to date.

As a complement to photoluminescent signs, Nautic also specializes in dangerous goods signs and symbols. We have all necessary documentation to cater your needs when it comes to transport of dangerous goods by sea, road, railway or air. Documentation such as regulation handbooks, which are constantly revised, are very well suited to be included in our subscription service.

Nautic trace back to 1915 and our facilities are located in Gothenburg, on the west coast of Sweden. We have been serving local and international shipping for almost 100 years.

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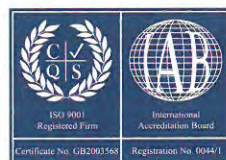


The Maritime Progress book is an authoritative reference manual for those considering the requirements for all types of signage, safety awareness and training material onboard ship.

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.



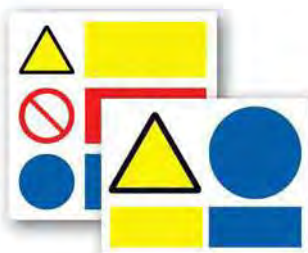
Safe condition - escape route signs

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

Self-Adhesive photoluminescent Vinyl (PV)

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

Photoluminescent Rigid PVC (PR)

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

Vynalast engraving laminate (EL)

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

Vynalast photoluminescent engraving laminate (EP)

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

Self-Adhesive Vinyl (WV)

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

Rigid PVC (WR)

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



Technical Information

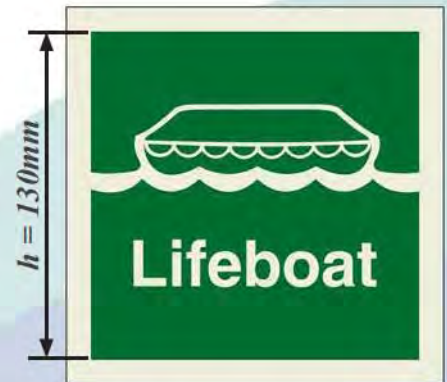
- Installation

Viewing distance

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

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

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



IMO Symbols

- Without text

									
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						

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

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

Example:
































Directions to embarkation station A.



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



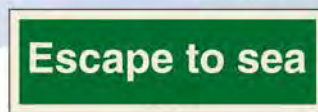
4374
EJ, GM, JP & KR



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.

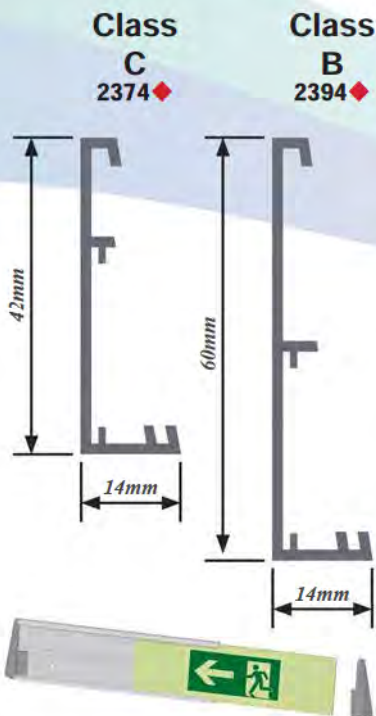
ISO:15370 Ships and marine technology – Low location lighting on passenger ships requires all escape routes, including stairs, to be marked by LLL. Where a photoluminescent material is used this should be a minimum of 75mm wide, unless the photoluminescent performance is increased to allow a narrower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

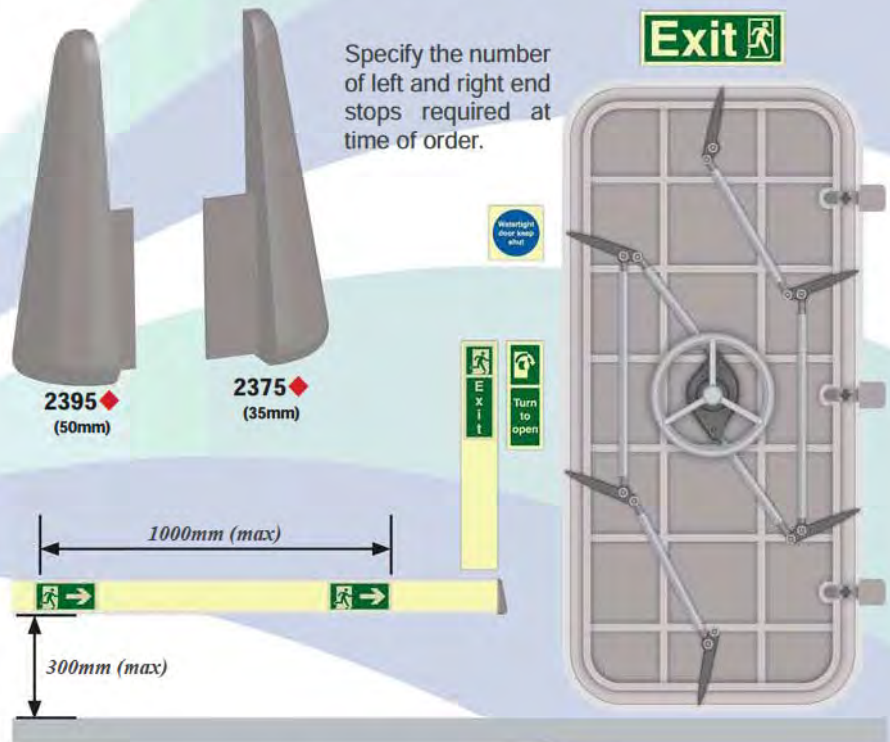


The carrier is fixed to the bulkhead by countersunk screws, the heads being covered by the photoluminescent panels which are simply slipped into the extrusion.

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/m² after 10 minutes following removal of external light sources and at least 2 mcd/m² after 60 minutes when tested in situ. The installer should ensure that sufficient light is available to activate the photoluminescent material to attain this performance. Systems should have their luminescence tested at least once every 5 years.



Specify the number of left and right 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.



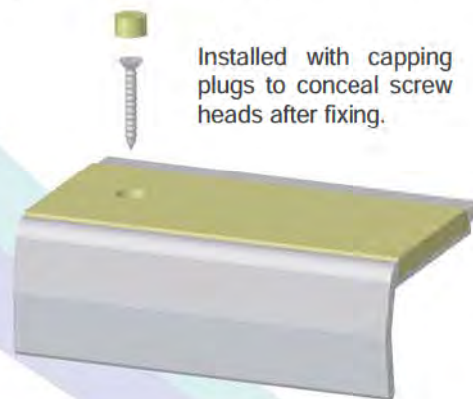
Means of escape

- 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.

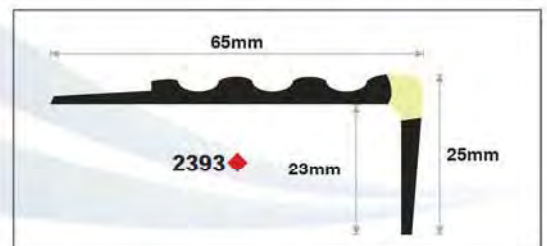
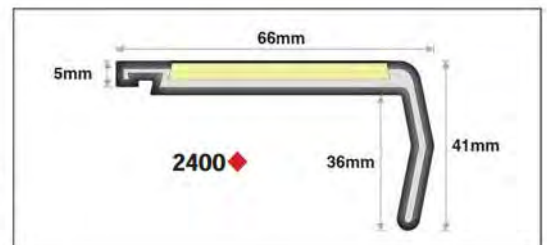
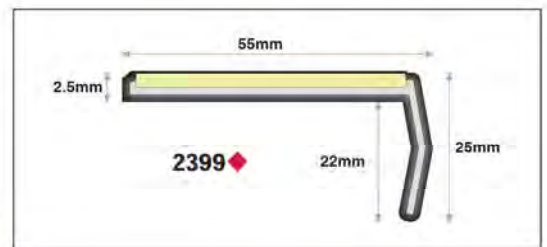
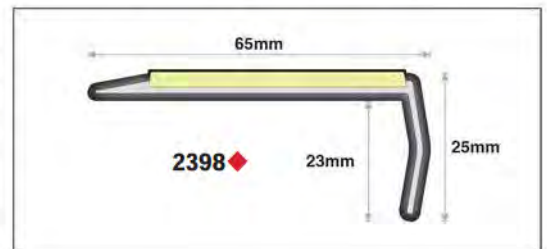
Stairs represent a slip and trip hazard and a serious obstacle when part of a means of escape. Photoluminescent stair nosing provides an excellent method of highlighting stairs along an escape route.

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



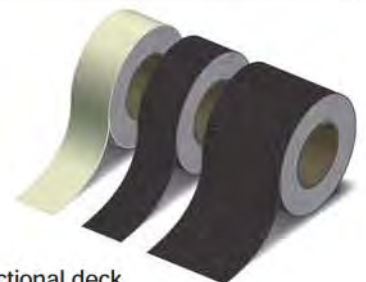
Installed with capping plugs to conceal screw heads after fixing.

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



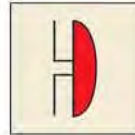
Push-button/switch for fire alarm

6002
EE, GG & JJ



Horn, fire alarm

6003
EE, GG & JJ



Bell, fire alarm

6004
EE, GG & JJ



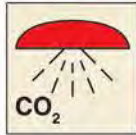
Manually operated call point

6005
EE, GG & JJ



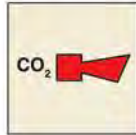
Space protected by automatic fire alarm

6006
EE, GG & JJ



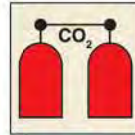
Space protected by CO₂

6007
EE, GG & JJ



CO₂ horn

6008
EE, GG & JJ



CO₂ release station

6009
EE, GG & JJ



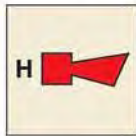
Halon 1301 battery

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



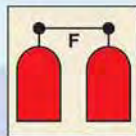
Space protected by foam

6016
EE, GG & JJ



Foam valve

6017
EE, GG & JJ



Foam release station

6018
EE, GG & JJ



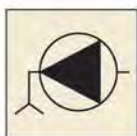
Emergency fire pump

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



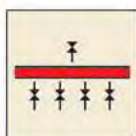
Emergency telephone station

6025
EE, GG & JJ



Fire axe

6026
EE, GG & JJ



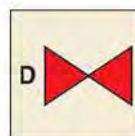
Drenching installation

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

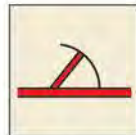
- IMO Resolution A.654(16)

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



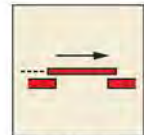
'A' Class self-closing fire door

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



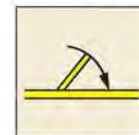
'B' Class division

6037
EE, GG & JJ



'B' Class fire door

6038
EE, GG & JJ



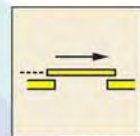
'B' Class self-closing fire door

6039
EE, GG & JJ



'B' Class sliding fire door

6040
EE, GG & JJ



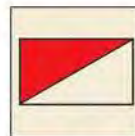
'B' Class self-closing sliding fire door

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



SPRINKLER

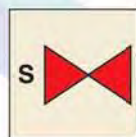
Space protected by sprinkler

6045
EE, GG & JJ



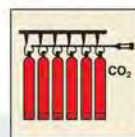
Sprinkler horn

6046
EE, GG & JJ



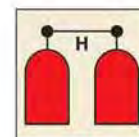
Sprinkler section valve

6047
EE, GG & JJ



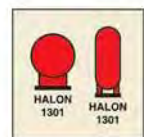
CO₂ battery

6048
EE, GG & JJ



Halon release station

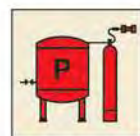
6049
EE, GG & JJ



HALON 1301 HALON 1301

Halon 1301 bottles in protected area

6050
EE, GG & JJ



Powder installation

6051
EE, GG & JJ



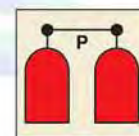
Powder monitor (gun)

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



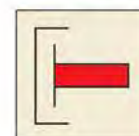
Fire main with valves

6057
EE, GG & JJ



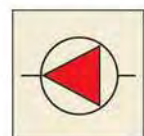
Hose box with spray / jet

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

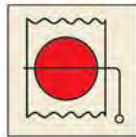
EE, GG & JJ



Gas detector

6062

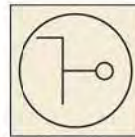
EE, GG & JJ



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

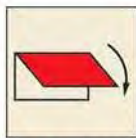
EE, GG & JJ



Secondary means of escape

6071

EE, GG & JJ



Closing appliance for exterior ventilation inlet or outlet

6072

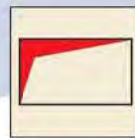
EE, GG & JJ



Inert gas installation

6073

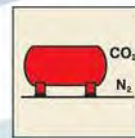
EE, GG & JJ



High expansion foam supply tank

6074

EE, GG & JJ



CO₂ / Nitrogen bulk installation

6075

EE, GG & JJ



Emergency generator

6076

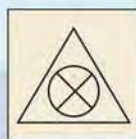
EE, GG & JJ



Emergency switchboard

6077

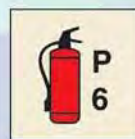
EE, GG & JJ



Remote ventilation shutoff

6078

EE, GG & JJ



6kg Powder fire extinguisher

6079

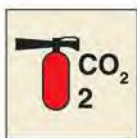
EE, GG & JJ



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

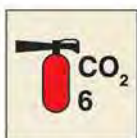
EE, GG & JJ



30kg Wheeled CO₂ fire extinguisher

6086

EE, GG & JJ



6kg CO₂ 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



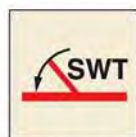
'B' Class semi-watertight fire door
6759
EE, GG & JJ



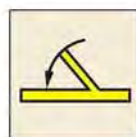
'A' Class self-closing fire door
6760
EE, GG & JJ



'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



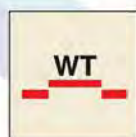
'B' Class self-closing watertight fire door
6764
EE, GG & JJ



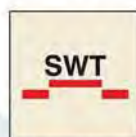
'B' Class self-closing semi-watertight fire door
6765
EE, GG & JJ



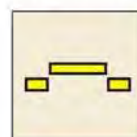
'A' Class sliding fire door
6766
EE, GG & JJ



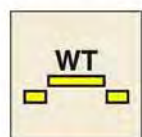
'A' Class watertight sliding fire door
6767
EE, GG & JJ



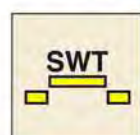
'A' Class semi-watertight sliding fire door
6768
EE, GG & JJ



'B' Class sliding fire door
6769
EE, GG & JJ



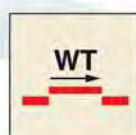
'B' Class watertight sliding fire door
6770
EE, GG & JJ



'B' Class semi-watertight sliding fire door
6771
EE, GG & JJ



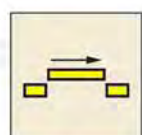
'A' Class self-closing sliding fire door
6772
EE, GG & JJ



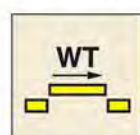
'A' Class watertight self-closing sliding fire door
6773
EE, GG & JJ



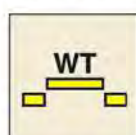
'A' Class semi-watertight self-closing sliding fire door
6774
EE, GG & JJ



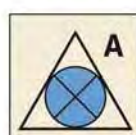
'B' Class self-closing sliding fire door
6775
EE, GG & JJ



'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

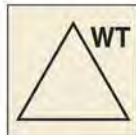
- ISO 17631 & IMO Resolution A.952(23)



Skylight remote controls

6781

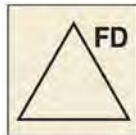
EE, GG & JJ



Watertight doors remote controls

6782

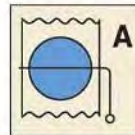
EE, GG & JJ



Fire doors remote controls

6783

EE, GG & JJ



Fire damper for accommodation & service spaces

6784

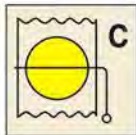
EE, GG & JJ



Fire damper for machinery spaces

6785

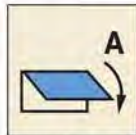
EE, GG & JJ



Fire damper for cargo spaces

6786

EE, GG & JJ



Closing device for accommodation & service spaces

6787

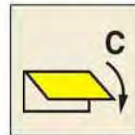
EE, GG & JJ



Closing device for machinery spaces

6788

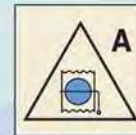
EE, GG & JJ



Closing device for cargo spaces

6789

EE, GG & JJ



Remote control for fire dampers in accommodation & service spaces

6790

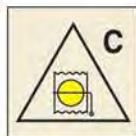
EE, GG & JJ



Remote control for fire dampers in machinery spaces

6791

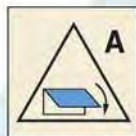
EE, GG & JJ



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

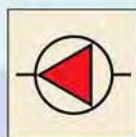
EE, GG & JJ



Fire pump remote control

6797

EE, GG & JJ



Fire pump

6798

EE, GG & JJ



Emergency fire pump remote control

6799

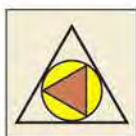
EE, GG & JJ



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

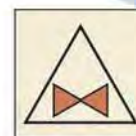
EE, GG & JJ



Emergency bilge pump remote control

6804

EE, GG & JJ



Fuel oil valves remote control

6805

EE, GG & JJ



Lub. oil valves remote control

6806

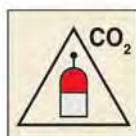
EE, GG & JJ



Fire pump valves remote control

6807

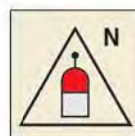
EE, GG & JJ



Remote release station for CO₂

6808

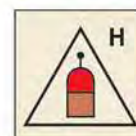
EE, GG & JJ



Remote release station for Nitrogen

6809

EE, GG & JJ



Remote release station for Halon equivalent

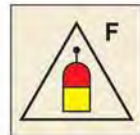
6810

EE, GG & JJ



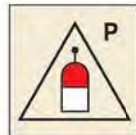
IMO Fire control symbols

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



Remote release station for foam

6811
EE, GG & JJ



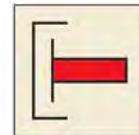
Remote release station for powder

6812
EE, GG & JJ



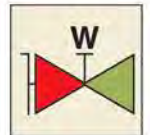
Remote release station for water

6813
EE, GG & JJ



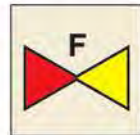
International shore connection

6814
EE, GG & JJ



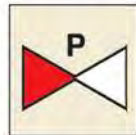
Fire hydrant

6815
EE, GG & JJ



Foam section valve

6816
EE, GG & JJ



Powder section valve

6817
EE, GG & JJ



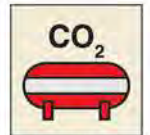
Fire main section valve

6818
EE, GG & JJ



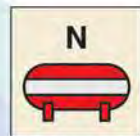
Sprinkler section valve

6819
EE, GG & JJ



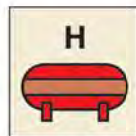
Fixed CO₂ fire extinguishing installation

6820
EE, GG & JJ



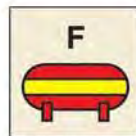
Fixed Nitrogen fire extinguishing installation

6821
EE, GG & JJ



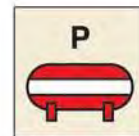
Fixed Halon equivalent fire extinguishing installation

6822
EE, GG & JJ



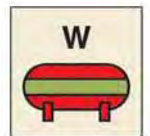
Fixed foam fire extinguishing installation

6823
EE, GG & JJ



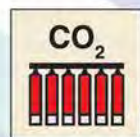
Fixed powder fire extinguishing installation

6824
EE, GG & JJ



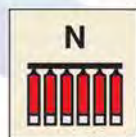
Fixed water fire extinguishing installation

6825
EE, GG & JJ



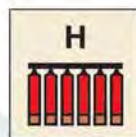
Fixed CO₂ fire extinguishing battery

6826
EE, GG & JJ



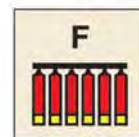
Fixed Nitrogen fire extinguishing battery

6827
EE, GG & JJ



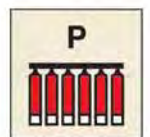
Fixed Halon equivalent fire extinguishing battery

6828
EE, GG & JJ



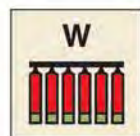
Fixed foam fire extinguishing battery

6829
EE, GG & JJ



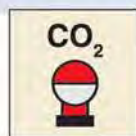
Fixed powder fire extinguishing battery

6830
EE, GG & JJ



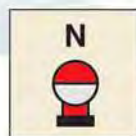
Fixed water fire extinguishing battery

6831
EE, GG & JJ



CO₂ 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



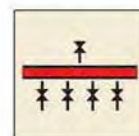
Water bottles in protected area

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

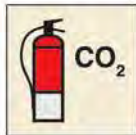
EE, GG & JJ



Water fire hose & nozzle

6846

EE, GG & JJ



CO₂ 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

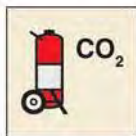
EE, GG & JJ



Water fire extinguisher

6851

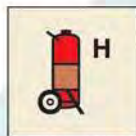
EE, GG & JJ



CO₂ 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

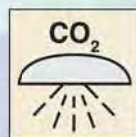
EE, GG & JJ



Fire fighters outfit locker

6858

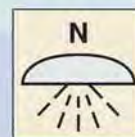
EE, GG & JJ



Space protected by fixed CO₂ 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

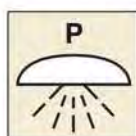
EE, GG & JJ



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

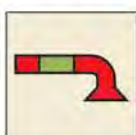
EE, GG & JJ



Space protected by fixed 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

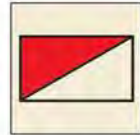
30x30mm black characters on transparent vinyl.



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.

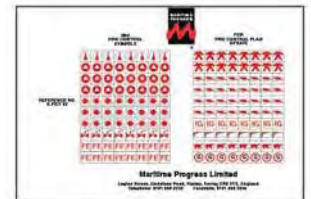
Pictos are available complying with **ISO 17631:2002** and **IMO Resolution A654(16)**.



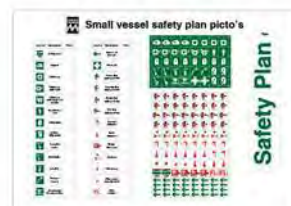
Fire control symbols totalling over 3500 picto's with a legend and relevant titles.
2603 ♦
A5 Booklet



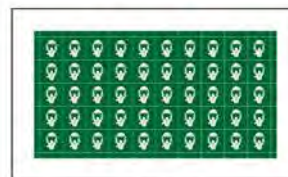
Life saving appliance symbols totalling over 500 picto's with a legend and relevant titles.
2604 ♦
A5 Booklet



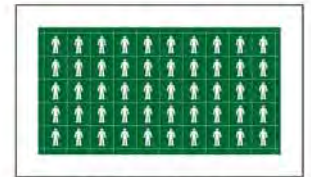
Fire control symbols in nine sheets each comprising 160 picto's. Totalling 1440.
2600 ♦
A5 Sheets



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



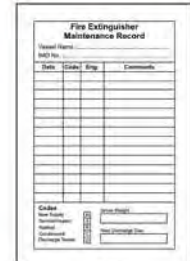
6430
KG & GJ



6431
KG & GJ



6432
KG & GJ



2702
JG



6433
KG & GJ



6434
KG & GJ



6414
KG & GJ



6150
EJ, GF, GM & KJ



2360

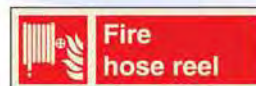
Fine point permanent marker pen.



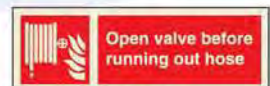
6102
EE, GG & JJ



6144
EJ, GF, GM & KJ



6145
EJ, GF, GM & KJ



6146
EJ, GF, GM & KJ



6135
EJ, GF, GM & KJ



6148
EJ, GF, GM & KJ



6136
EJ, GF, GM & KJ



6101
EE, GG & JJ



6141
EJ, GF, GM & KJ



6142
EJ, GF, GM & KJ



4187
EJ, GF, GM & KJ



Fire equipment signs



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



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.

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



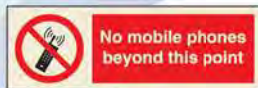
8661
EJ, GF, GM & KJ



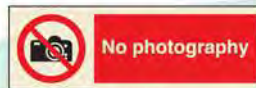
8510
EE, GG & JJ



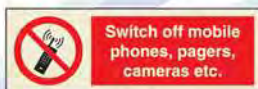
8658
EJ, GF, GM & KJ



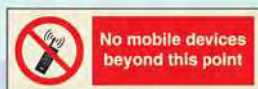
8655
EJ, GF, GM & KJ



8692
EJ, GF, GM & KJ



8570
EJ, GF, GM & KJ



8656
EJ, GF, GM & KJ



8657
EJ, GF, GM & KJ



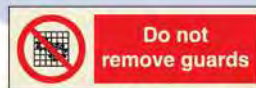
8511
EE, GG & JJ



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



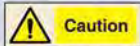
8567
EJ, GF, GM & KJ



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 CO₂ protected area

7545

EJ, GF, GM & KJ



Danger
Unprotected 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

















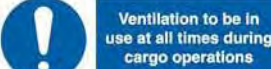
















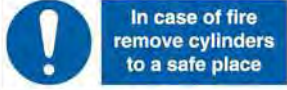




3114

KM & PR



Hazard signs

 7508 EE, GG & JJ	 Caution Trip hazard 7620 EJ, GF, GM & KJ	 Caution Mind the step 7623 EJ, GF, GM & KJ	 7501 EE, GG & JJ	 Caution Wet deck 7573 EJ, GF, GM & KJ	 Caution Slippery surface 7574 EJ, GF, GM & KJ
 7502 EE, GG & JJ	 Caution Mind your head 7667 EJ, GF, GM & KJ	 Warning Mind your head 7570 EJ, GF, GM & KJ	 Warning Overhead hazard 7669 EJ, GF, GM & KJ	 Warning Stand clear of suspended load 7671 EJ, GF, GM & KJ	 Danger Overhead working 7548 EJ, GF, GM & KJ
 7503 EE, GG & JJ	 Caution Fork lift truck in operation 7672 EJ, GF, GM & KJ	 Warning Fork lift truck in operation 7571 EJ, GF, GM & KJ	 Caution Vehicles 7560 EJ, GF, GM & KJ	 Danger Vehicle fumes 3103 KM & PR 	
 7504 EE, GG & JJ	 Danger Petroleum vapour 7580 EJ, GF, GM & KJ	 Danger Explosion risk 7581 EJ, GF, GM & KJ	 Danger Explosive gases 7582 EJ, GF, GM & KJ	 Danger Explosive material 7583 EJ, GF, GM & KJ	 Danger Compressed gases 7584 EJ, GF, GM & KJ
 Danger Compressed oxygen 7585 EJ, GF, GM & KJ	 Danger Explosion risk 3100 KM & PR 	 Danger Explosion risk 3101 KM & PR 	 Danger Explosion risk 3108 ♦ MM  No smoking  No naked lights  No hot work No clipping No unapproved electrical equipment		
 Danger Gas under pressure 3102 KM & PR 			 Danger Gas 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.

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



7515

EE, GG & JJ



Warning

Non-ionizing radiation

7673

EJ, GF, GM & KJ



Danger

Non-ionizing radiation



Secure radar, satcom and radio equipment before accessing the monkey island.

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.

 5800 EE, GG & JJ	 5801 EE, GG & JJ	 5802 EE, GG & JJ	 5803 EE, GG & JJ	 5804 EE, GG & JJ	 5805 EE, GG & JJ
 5806 EE, GG & JJ	 5807 EE, GG & JJ	 5808 EE, GG & JJ	 5809 EE, GG & JJ	 5811 EE, GG & JJ	 5812 EE, GG & JJ
 5814 EE, GG & JJ	 5815 EE, GG & JJ	 5816 EE, GG & JJ	 5817 EE, GG & JJ	 5818 EE, GG & JJ	 5819 EE, GG & JJ
 5820 EE, GG & JJ	 5821 EE, GG & JJ	 5822 EE, GG & JJ	 5839 EE, GG & JJ	 5840 EE, GG & JJ	 5841 EE, GG & JJ



5830
FL & JQ



5831
FL & JQ

 5642 EE, GG & JJ	 5709 EJ, GF, GM & KJ	 5710 EJ, GF, GM & KJ	 5733 EJ, GF, GM & KJ	 5785 EJ, GF, GM & KJ	 5786 EJ, GF, GM & KJ
 5648 EE, GG & JJ	 5722 EJ, GF, GM & KJ	 5723 EJ, GF, GM & KJ	 5721 EJ, GF, GM & KJ	 5791 EJ, GF, GM & KJ	 5792 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



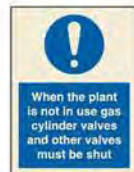
5854
EJ, GF, GM & KJ



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

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.

Emergency Evacuation Instructions

THE GENERAL EMERGENCY ALARM SIGNAL IS 7 SHORT BLASTS FOLLOWED BY 1 LONG BLAST ON THE SHIPS WHISTLE AND ALARM SYSTEM.

On hearing this alarm signal:

- If you are in your cabin, dress in warm clothing, collect your lifejacket and go to allotted Assembly Station.
- If you are near an Assembly Station, go straight there. Do not return to your cabin.

On arrival of a Assembly Station:

- You will be met by a member of the crew.
- You will be issued with a lifejacket if you need one and told how to put it on.
- You will be given instructions on what to do next.

Remember
Stay calm and follow any instructions given to you by members of the crew.

1. DO NOT use elevators.
2. DO NOT collect baggage.

5900
LK

EMERGENCY INSTRUCTIONS FOR PASSENGERS

Please read and remember the content of this notice.

- GENERAL EMERGENCY ALARM SIGNAL**
In an emergency the following signal will be sounded on the ship's whistle and alarm system:
Seven or more short blasts followed by one prolonged blast
- ON HEARING THE GENERAL EMERGENCY ALARM SIGNAL**
Proceed calmly to your allotted Assembly Station on the nearest Assembly Station if you are away from your cabin. If you are in your cabin when you hear the alarm signal, dress quickly and follow direction signs to your Assembly Station.
- ASSEMBLY STATION OR MUSTER STATION**
An Assembly Station is an area where passengers must assemble on an emergency. Assembly Stations are marked with the sign shown below and a letter.
- ON ARRIVAL AT AN ASSEMBLY STATION**
On arrival at an Assembly Station, you will be issued with a life jacket by a member of the crew and instructed how to put it on. Children's lifejackets are available if required. Please study the accompanying instructions on donning a lifejacket.
- FURTHER ACTIONS**
Stay calm and follow the instructions given to you by the ship's crew.

5901
LK

Man overboard

- Throw lifebuoy
- Keep man in sight
- Inform the bridge or the officer of the watch
- State man overboard and give location.

5902
GF & KJ

EMERGENCY EVACUATION INSTRUCTIONS

Know the location and location of your allotted Assembly Station.








































When you hear seven short and one long blast on the ship's whistle alarm system:

- Collect your lifejacket at once
- Proceed calmly to your Assembly Station
- Keep this notice with you
- Use the instructions on how to don your lifejacket
- Follow any instructions given to you by the crew

5903
GF & KJ











































Space identification signs

<p>Refrigerated Space</p>  <p>Caution Low temperature and slip hazard</p>  <p>No smoking</p>  <p>Wear hairnet at all times</p> <p>3122 ♦ MM</p>	<p>Battery Locker</p>  <p>Danger 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>Galley</p>  <p>No smoking</p>  <p>Wash hands before preparing food</p>  <p>Minimum safety requirements: Hairnet Safety footwear</p> <p>3124 ♦ MM</p>
<p>Machinery Space</p>  <p>Caution Space protected by gas fixed 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>Gas Bottle Store</p>  <p>Danger Compressed gases</p>  <p>No entry to unauthorised personnel No smoking or naked lights</p>  <p>Keep well ventilated</p> <p>3125 ♦ MM</p>	<p>Paint Locker</p>  <p>Danger Flammable liquid</p>  <p>No entry to unauthorised personnel No smoking or naked lights</p>  <p>Keep well ventilated</p> <p>3126 ♦ MM</p>
<p>Chemical Locker</p>  <p>Danger Flammable liquid</p>  <p>No entry to unauthorised personnel No smoking or naked lights</p>  <p>Keep well ventilated</p> <p>3141 ♦ MM</p>	<p>Switch Board</p>  <p>Danger 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>Forecastle Space</p>  <p>Caution Space protected by gas fixed 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>Fridge Machinery</p>  <p>Danger Toxic fumes Machinery may start without warning</p>  <p>No entry to unauthorised personnel No smoking or naked lights</p>  <p>Keep well ventilated</p> <p>3129 ♦ MM</p>	<p>Emergency Generator</p>  <p>Danger 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>Steering Gear</p>  <p>Danger 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>Pump-Room</p>  <p>Caution 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>	

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.

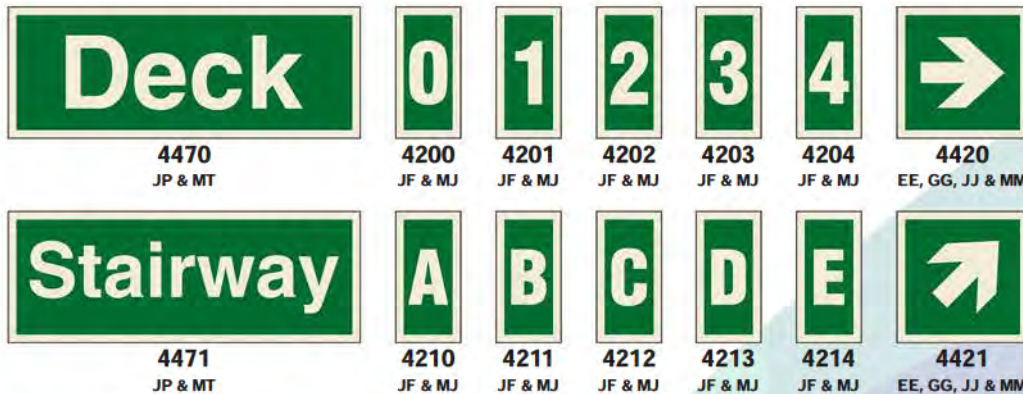


Accommodation signs

 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		
Toilets 2918 EJ, GF, GM & KJ	 Ladies 2919 EJ, GF, GM & KJ	 Gentlemen 2920 EJ, GF, GM & KJ	Catering crew toilet 2876 EJ, GF, GM & KJ		
 2941 FE & JG	 2942 FE & JG	 2940 EE, GG & JJ	 Baby changing facilities 2932 FG & JK	 Please leave this toilet clean for the next user 2931 FG & JK	 Please wash your hands after visiting the toilets 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

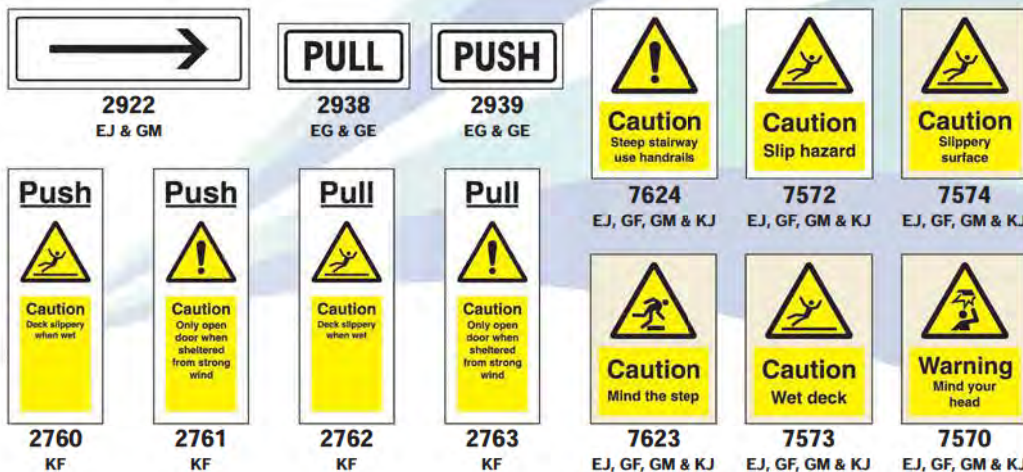


Accommodation signs



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 (before machine directional).
3. Heat to 80-90°C and switch off heater. Leave for 15 minutes stirring continuously.
4. Submerge lids 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

1. Do not touch the hot oil.
2. Do not touch the hot surfaces.
3. Do not touch the hot oil.
4. Do not touch the hot oil.

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 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 reaching out areas. They should always be stored in suitable sheaths or racks.
6. Cutting blocks, tables and boards should be firm, non-slip and smooth.
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 walk around 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/interlocked power supply at, before before changing or attempting to dislodge blockages.

5754
EJ & GM

Discharge 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 control requirements and fully supervised.
3. Hot surfaces must be clearly indicated by warning signs.
4. Always use the protective clothing / equipment provided (where relevant).
5. When operating the oven door and transferring trays, look out for other staff.
6. Disconnect from main electrical supply and allow to cool before cleaning.
7. Report all equipment faults immediately to the plant manager. Do not use alternative equipment.
8. Switch off the oven when not in use.

5766
LK

Microwave Oven

1. As a microwave oven is not to be used for cooking.
2. Do not use microwave oven as a hot food 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

Check the temperature of the food stored in the refrigerator. The temperature should be 0°C to +4°C. If the temperature is above +4°C, the food should be discarded. If the temperature is below 0°C, the food should be refrozen. Do not store raw and cooked food together.

5705
LK

IMPORTANT NOTICE FOR CATERING STAFF DEEP FREEZERS

Check the temperature of the food stored in the deep freezer. The temperature should be -18°C to -20°C. If the temperature is above -18°C, the food should be refrozen. Do not store raw and cooked food together.

5706
LK

2005 FOOD ACT AND COOK - CHILL GUIDELINES

The sign indicates the correct temperature ranges for the storage of food. It is a reference to the Food Safety and Hygiene Regulations 2005. The sign is a reference to the Food Safety and Hygiene Regulations 2005. The sign is a reference to the Food Safety and Hygiene Regulations 2005.

1402
KG

Warning Low temperature

7691
EJ, GF, GM & KJ

Do not store raw and cooked food together

2885
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

 5654 EE, GG & JJ	 5728 EJ, GF, GM & KJ	 5737 EJ, GF, GM & KJ	 5745 EJ, GF, GM & KJ	 5789 EJ, GF, GM & KJ	 Please wash only hands here 5760 LK
 5659 EE, GG & JJ	 5736 EJ, GF, GM & KJ	 5783 EJ, GF, GM & KJ	 5738 EJ, GF, GM & KJ	 5779 EJ, GF, GM & KJ	 Please wash only food equipment here 5759 LK
 5740 EJ, GF, GM & KJ	 5851 EJ, GF, GM & KJ	 5675 EJ, GF, GM & KJ	 5674 EJ, GF, GM & KJ	 5744 EJ, GF, GM & KJ	 5784 Y
 8550 EJ, GF, GM & KJ	 8530 EJ, GF, GM & KJ	 4170 GF & KJ	 4180 EJ, GF, GM & KJ	 4185 EJ, GF, GM & KJ	
 5690 FK	 5691 FK	 5692 FK	 Do not throw garbage overboard  Use bins provided 3115 EJ, GF, GM & KJ		
 5693 FK	 5694 FK	 5695 FK	 Do not leave garbage here 8619 EJ, GF, GM & KJ		
 5696 FK	 5697 FK	 DO NOT throw garbage overboard <small>This symbol complies with a special use reserved by International Maritime Law.</small> 8567 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.

 Ships office 2874 EJ & GM	 Cargo control room 2878 EJ & GM	 Safety locker 2879 EJ & GM	 SAFE OPERATION 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 hatchways, ullage-openings etc. Any surveyors or terminal representative failing to comply with this instruction will be requested to leave the vessel immediately. 2701 LJ	
 Office 2908 EJ & GM	 Engine control room 2877 EJ & GM	 Pollution control equipment 4181 EJ, GF, GM & KJ		
 Warning Radio antennas to be earthed during cargo operations. 7578 EJ, GF, GM & KJ	 Warning Oxygen 7700 EJ, GF, GM & KJ	 Warning Acetylene 7701 EJ, GF, GM & KJ	 Danger You are entering a CO ₂ protected area 7545 EJ, GF, GM & KJ	 Warning Dangerous cargo No visitors No smoking No naked lights 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)
 Do not enter the pump-room without permission from the Chief Officer 8546 EJ, GF, GM & KJ	 No hot work 8539 EJ, GF, GM & KJ	 No workwear beyond this point 8574 EJ, GF, GM & KJ	 Switch off mobile phones, pagers, cameras etc. 8570 EJ, GF, GM & KJ	
 CO₂ protected area On hearing alarm vacate space immediately. Close all exits behind you. 5876 EJ, GF, GM & KJ	 Gas flood system protected area 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 allowed. 5853 EJ, GF, GM & KJ	 Danger Confined space Do not enter without a permit to work 3110 KM & PR
 When the plant is not in use gas cylinder valves and other valves must be shut. 5873 EJ, GF, GM & KJ	 Ventilation to be used prior to entry 5852 EJ, GF, GM & KJ	 Life jackets to be worn 5790 EJ, GF, GM & KJ	 Personal protective equipment is provided. USE IT! 5678 EJ, GF, GM & KJ	 Danger Confined space No unauthorised entry 3120 KM & PR
 Man overboard 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	 Rescue boat launching Company safety instructions must be consulted before launching for drill. Ensure a risk assessment has been carried out and all safety measures are in place before launching. 5110 FG & JK	 Liferaft launching Company safety instructions must be consulted before launching for drill. Ensure a risk assessment has been carried out and all safety measures are in place before launching. 5111 FG & JK	 Lifeboat launching Company safety instructions must be consulted before launching for drill. Ensure a risk assessment has been carried out and all safety measures are in place before launching. 5112 FG & JK	 Secure painter to strong point before launching 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



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



2700
(sold in sheets of 10)

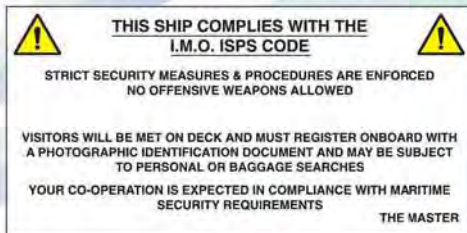


3139
MM



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

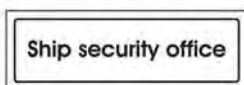
A rigid PVC sign with printed insert which allows the level of security to be changed and shown through a window in the front face.



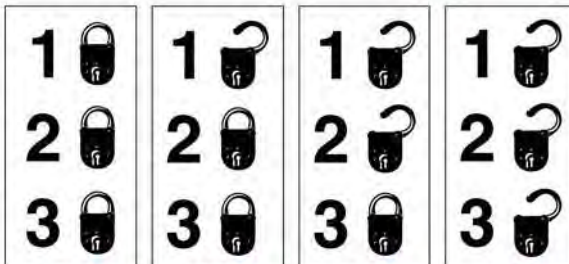
2703
JM



8695
KM & LQ



2895
EJ & GM



2893
50x25mm

2892
50x25mm

2891
50x25mm

2890
50x25mm



2909
EJ & GM

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

(sold in sheets of 10)

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.



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.

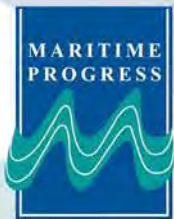
Investment in specific high quality digital equipment has enabled the production of these 'one off' products to be economically viable. Quality prints can be produced on numerous different materials including brass, stainless steel, Perspex, etc.

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.



Bote Salvavidas Totalmente cerrado Lanzamiento de Posición a Bordo

Procedimientos para Lanzar / SOLAS Consolidado 2004 edición capítulo III, regla 23) Vaseo - el manual de capacitación a bordo - hacerse con frecuencia.

<p>1 Preparaciones iniciales</p> <ul style="list-style-type: none"> Assegurar de que los anillos de seguridad del puente estén apertados Desconectar el cable de carga a tierra. Cerrar los tapones de drenaje Calcular E.P.I.R.B. y S.A.R.T. en el bote. Quitar a bordo cuando se indique, señales y aporche las condiciones 	<p>2 Acciones de Lanzamiento</p> <ul style="list-style-type: none"> Retirar los seguros / los sistemas de seguridad. Amarrar las escotillas Si la atmósfera es segura, abrir los respiraderos. Si la atmósfera es peligrosa, cerrar los respiraderos. Helicóptero (helicóptero) apropiado, observados por la tripulación del bote
<p>3 Bajar al agua</p> <ul style="list-style-type: none"> Comprobar que está despejado abajo Quitar el freno El bote puede balancearse mientras el lanzamiento se realiza Seguir bajando al bote a un ritmo constante 	<p>4 Entrando al agua</p> <ul style="list-style-type: none"> Dejar que el bote se vuelte en el agua. Mantener los frenos apagados. Retirar las cadenas. Si caso no se suelta, junte en funcionamiento el sistema de inflado en caso de emergencia como sigue: <ol style="list-style-type: none"> 1) Buzos el cristal. 2) Mueva la palanca a la zona verde. 3) Quite las cadenas.
<p>5 Para dejarlo ir</p> <ul style="list-style-type: none"> Para dejarlo ir Presionar en el botón al inicio. Si la atmósfera es peligrosa, cerrar el 	<p>6 Acciones Finales</p> <ul style="list-style-type: none"> Rescatar a los supervivientes que estén nadando al agua Cuando se está alejado del bote, sacar los anillos de mar Preparar en los procedimientos E.P.I.R.B. y S.A.R.T.

de código de Seguridad ISM





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 open/deck-mounted lifeboats. Take care that counterweight is fitted.

- Initial preparations
- Lower to deck level
- Secure to embarkation deck
- Embark personnel
- Lower to water
- Letting go

An ISM Code Safety Poster

1001W

Liferaft Launching
Procedures for launching inflatable liferafts

- Automatic release
- Manual release
- Launch liferaft
- Inflate liferaft
- Automatic release
- Righting upturned liferaft

An ISM Code Safety Poster

1002W

Fully Enclosed Lifeboat Launching from Stowed Position
Procedures for launching SOLAS Chapter III, Regulation 23.1004W

- Initial preparations
- Launch liferaft
- Lower to water
- Entering water
- Letting go
- Final actions

An ISM Code Safety Poster

1004W

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

- Check direction to safe area
- Bees ready
- Start air supply for passengers and engine
- Launch and start sprays
- Head for safety
- Important information

An ISM Code Safety Poster

1005W

Free Fall Lifeboat Launching
Procedures for launching a free fall lifeboat

- Mustering crew
- Launching checks
- Helmsman's actions
- Embarkation
- Launching
- Further actions

An ISM Code Safety Poster

1020W

Davit Launched Liferafts
Procedures for davit launching inflatable liferafts

- Prepare the launch area
- Prepare liferaft
- Hoist raft and turn out davit to stowed position
- Embarkation procedure
- Lower liferaft
- Release liferaft

An ISM Code Safety Poster

1045W

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

- Check ready and before using
- Donning the breathing apparatus
- Adjusting and checking the functions
- Preparing to enter compartment
- Start operation
- After operational use

An ISM Code Safety Poster

1047W

Dedicated Fast Rescue Boat Operation
SOLAS Chapter III / MSC Circular 1161

- Preparation
- Clearing the ship
- Rescuing survivors
- Launch
- Proceeding to casualty
- Recovering the boat

An ISM Code Safety Poster

1073W

Dedicated Rescue Boat Operation
SOLAS Chapter III

- Preparation
- Clearing the ship
- Rescuing survivors
- Launch
- Proceeding to casualty
- Recovering the boat

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

Abandon Ship
Vital actions preparing to abandon ship

- On hearing the emergency signal
- Preparation of survival craft
- Boarding from deck
- Boarding from water

An ISM Code Safety Poster

1016W

Inflatable Liferrafts
Vital actions after launching

- Righting overturned liferaft
- Board quickly
- Move clear of the ship
- Screen the sea anchor
- Close the entrances
- Further actions

An ISM Code Safety Poster

1003W

Evacuation Chutes & Slides
Abandon ship procedures using vertical chutes or angled slides

- When emergency signal sounds
- Preparing to use the chute or slide
- Using vertical chutes
- After descending the slide
- Using angled slides
- After abandoning the slide

An ISM Code Safety Poster

1046W

Enclosed Space and Tank Rescue
Safety procedures for rescuing a casualty from a hazardous atmosphere

- Rescue the victim
- Start rescue
- Emergency first aid and rescue
- First aid and after care

An ISM Code Safety Poster

1017W

Fire & Explosion Actions
Vital actions following a fire or explosion

- Raise the alarm
- Immediate response
- Damage limitation
- Assess situation
- Communications
- Additional action in port

An ISM Code Safety Poster

1031W

Life Saving Signals
International search and rescue communication signals based on SOLAS requirements

An ISM Code Safety Poster

1058W

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

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

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

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

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

Life Saving Signals
International search and rescue communication signals based on SOLAS requirements

An ISM Code Safety Poster

1059Z (Double sided)

EMERGENCY MUSTER LIST																																											
<p>ONE ON OTHER INCIDENT</p> <p>Signal: Continuous sounding of the ship alarm system. Action: Emergency parties report at designated stations of own position, waiting and maintain in hand. Reporters and receiver of.</p>					<p>GENERAL EMERGENCY</p> <p>Signal: Short or more short blasts followed by a long blast on the ship's whistle, repeated until the ship's alarm system. Action: All personnel to form designated search, lifting and muster at designated muster. Reporters: None in particular (standing by for location).</p>																																						
<p>ABANDON SHIP</p> <p>The order to abandon ship will be given ONLY by the Master or the Captain. Action: Proceed to an assembly point in your designated muster or all existing lifeboats and wash clothing. The muster is through all sides and end before Assembly.</p>					<p>RAN OVERBOARD</p> <p>Signal: Three (3) distinct, immediately system for officer of the deck (O.D.) to sound the "Man Overboard" and put "Man Overboard" flag on ready in sight.</p>																																						
<p>CONTROL TEAM</p> <table border="1"> <tr><th>Name</th><th>Rank</th><th>Div/Sec</th></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table>		Name	Rank	Div/Sec							<p>FIRST EMERGENCY TEAM</p> <table border="1"> <tr><th>Name</th><th>Rank</th><th>Div/Sec</th></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table>		Name	Rank	Div/Sec							<p>SECOND EMERGENCY TEAM</p> <table border="1"> <tr><th>Name</th><th>Rank</th><th>Div/Sec</th></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table>		Name	Rank	Div/Sec							<p>RESERVE TEAM</p> <table border="1"> <tr><th>Name</th><th>Rank</th><th>Div/Sec</th></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table>		Name	Rank	Div/Sec						
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<p>ENGINE ROOM SUPPORT</p> <table border="1"> <tr><th>Name</th><th>Rank</th><th>Div/Sec</th></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table>		Name	Rank	Div/Sec							<p>MAIN OVERBOARD PARTY</p> <table border="1"> <tr><th>Name</th><th>Rank</th><th>Div/Sec</th></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table>		Name	Rank	Div/Sec							<p>GENERAL INSTRUCTIONS</p> <p>1) The person responsible for maintenance of all LSA and the lifting equipment is the Master or Officer of the Deck. 2) In the event of a fire, the person responsible for the fire alarm system is the Master or Officer of the Deck. 3) The Master's authority shall be absolute. 4) The Officer of the Deck shall be responsible for the maintenance of the Muster List. 5) The Muster List shall be maintained and updated as necessary. 6) The Muster List shall be available to all crew members. 7) The Muster List shall be available to all crew members. 8) The Muster List shall be available to all crew members. 9) The Muster List shall be available to all crew members. 10) The Muster List shall be available to all crew members.</p>																					
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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

It is illegal to throw any garbage overboard. This includes: **WETTER 30 LBS OF LEAD AND ALL LEAD RESIDUES**, **YOU CANNOT THROW ANYTHING OVERBOARD**, **YOU CANNOT THROW OVERBOARD**, **YOU CANNOT THROW OVERBOARD**, **YOU CANNOT THROW OVERBOARD**, **YOU CANNOT THROW 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.

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.

1043Y

Hazard Diamonds
For The Display of Dangerous Goods

Diagram showing various hazard diamonds (1-9) and their corresponding hazard levels.

1048Y

Hazardous Substance Symbols

Diagram showing various hazardous substance symbols (GHS) and their corresponding hazard levels.

1049Y

Preventing Oil Spills
Procedures to reduce the likelihood of oil spills

Warning: Oil spills are a major environmental hazard. They can cause serious damage to the environment and public health.

1008W

Bunkering
Safety procedures before, during and after bunkering

Warning: Bunkering operations are high risk activities. Strict safety procedures must be followed to prevent accidents.

1022W

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

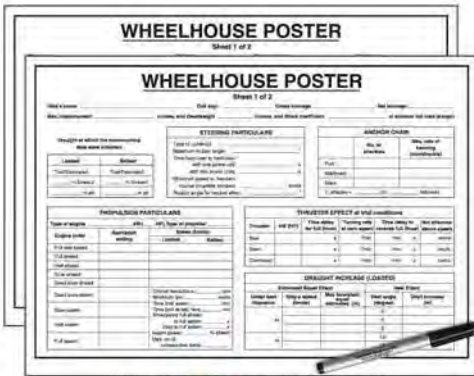
Warning: In the event of an oil spill, immediate action is required to minimize environmental damage.

1023W

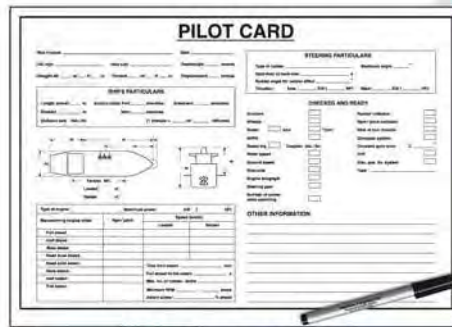


Posters

- Bridge procedures

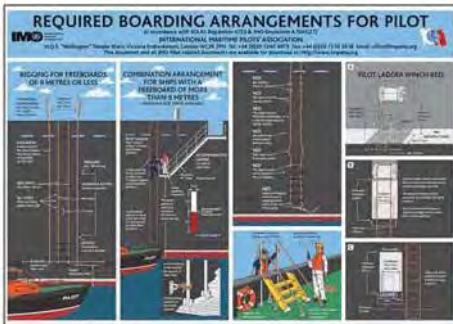


1010X ♦ (includes pen)

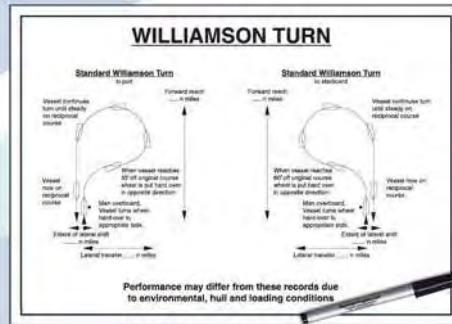


1011X (includes pen)

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

Mooring

Procedure for Mooring / Unmooring

- Prior to arrival**
 - Assign a mooring team
 - Check mooring plan
 - Check mooring equipment
 - Check mooring lines
 - Check mooring winches
 - Check mooring bitts
 - Check mooring cleats
 - Check mooring shackles
 - Check mooring pins
 - Check mooring pins
 - Check mooring pins
- On Pilot boarding**
 - Receive mooring plan from pilot
 - Check mooring plan
 - Check mooring equipment
 - Check mooring lines
 - Check mooring winches
 - Check mooring bitts
 - Check mooring cleats
 - Check mooring shackles
 - Check mooring pins
 - Check mooring pins
 - Check mooring pins
- On arrival of tug**
 - Check mooring plan
 - Check mooring equipment
 - Check mooring lines
 - Check mooring winches
 - Check mooring bitts
 - Check mooring cleats
 - Check mooring shackles
 - Check mooring pins
 - Check mooring pins
 - Check mooring pins
- During mooring**
 - Check mooring plan
 - Check mooring equipment
 - Check mooring lines
 - Check mooring winches
 - Check mooring bitts
 - Check mooring cleats
 - Check mooring shackles
 - Check mooring pins
 - Check mooring pins
 - Check mooring pins
- Tending to moorings**
 - Check mooring plan
 - Check mooring equipment
 - Check mooring lines
 - Check mooring winches
 - Check mooring bitts
 - Check mooring cleats
 - Check mooring shackles
 - Check mooring pins
 - Check mooring pins
 - Check mooring pins
- Cast off**
 - Check mooring plan
 - Check mooring equipment
 - Check mooring lines
 - Check mooring winches
 - Check mooring bitts
 - Check mooring cleats
 - Check mooring shackles
 - Check mooring pins
 - Check mooring pins
 - Check mooring pins

An ISM Code Safety Poster

1064W

Pipe Identification

In accordance with ISO 14726: 2006

Color	Fluid	Temperature	Pressure
Blue	Water	Low	Low
Green	Water	Low	Medium
Yellow	Water	Low	High
Orange	Water	Low	Very High
Red	Water	Low	Very High
Purple	Water	Low	Very High
Brown	Water	Low	Very High
Black	Water	Low	Very High
White	Water	Low	Very High
Grey	Water	Low	Very High
Light Blue	Water	Low	Very High
Light Green	Water	Low	Very High
Light Yellow	Water	Low	Very High
Light Orange	Water	Low	Very High
Light Red	Water	Low	Very High
Light Purple	Water	Low	Very High
Light Brown	Water	Low	Very High
Light Black	Water	Low	Very High
Light White	Water	Low	Very High
Light Grey	Water	Low	Very High

An ISM Code Safety Poster

1066W

Precautions Against Piracy

International Ship & Port Facility Security Code Chapt. XI-2 S.O.L.A.S

- Research**
 - Check piracy reports
 - Check piracy hotspots
 - Check piracy threats
 - Check piracy risks
 - Check piracy hazards
 - Check piracy dangers
 - Check piracy perils
 - Check piracy hazards
 - Check piracy dangers
 - Check piracy perils
- Planning**
 - Check piracy reports
 - Check piracy hotspots
 - Check piracy threats
 - Check piracy risks
 - Check piracy hazards
 - Check piracy dangers
 - Check piracy perils
 - Check piracy hazards
 - Check piracy dangers
 - Check piracy perils
- Implementing precautions**
 - Check piracy reports
 - Check piracy hotspots
 - Check piracy threats
 - Check piracy risks
 - Check piracy hazards
 - Check piracy dangers
 - Check piracy perils
 - Check piracy hazards
 - Check piracy dangers
 - Check piracy perils
- Bridge communications**
 - Check piracy reports
 - Check piracy hotspots
 - Check piracy threats
 - Check piracy risks
 - Check piracy hazards
 - Check piracy dangers
 - Check piracy perils
 - Check piracy hazards
 - Check piracy dangers
 - Check piracy perils
- Deck security**
 - Check piracy reports
 - Check piracy hotspots
 - Check piracy threats
 - Check piracy risks
 - Check piracy hazards
 - Check piracy dangers
 - Check piracy perils
 - Check piracy hazards
 - Check piracy dangers
 - Check piracy perils
- Action if boarded**
 - Check piracy reports
 - Check piracy hotspots
 - Check piracy threats
 - Check piracy risks
 - Check piracy hazards
 - Check piracy dangers
 - Check piracy perils
 - Check piracy hazards
 - Check piracy dangers
 - Check piracy perils

An ISM Code Safety Poster

1071W

Helicopter Operations

Winching

- Preparation**
 - Check weather conditions
 - Check helicopter status
 - Check winch status
 - Check hoist status
 - Check rescue status
 - Check first aid status
 - Check fire status
 - Check first aid status
 - Check fire status
 - Check first aid status
- Pre-arrival**
 - Check weather conditions
 - Check helicopter status
 - Check winch status
 - Check hoist status
 - Check rescue status
 - Check first aid status
 - Check fire status
 - Check first aid status
 - Check fire status
 - Check first aid status
- Helicopter communication**
 - Check weather conditions
 - Check helicopter status
 - Check winch status
 - Check hoist status
 - Check rescue status
 - Check first aid status
 - Check fire status
 - Check first aid status
 - Check fire status
 - Check first aid status
- Helicopter approach**
 - Check weather conditions
 - Check helicopter status
 - Check winch status
 - Check hoist status
 - Check rescue status
 - Check first aid status
 - Check fire status
 - Check first aid status
 - Check fire status
 - Check first aid status
- Hoist Technique**
 - Check weather conditions
 - Check helicopter status
 - Check winch status
 - Check hoist status
 - Check rescue status
 - Check first aid status
 - Check fire status
 - Check first aid status
 - Check fire status
 - Check first aid status
- Recovery**
 - Check weather conditions
 - Check helicopter status
 - Check winch status
 - Check hoist status
 - Check rescue status
 - Check first aid status
 - Check fire status
 - Check first aid status
 - Check fire status
 - Check first aid status

An ISM Code Safety Poster

1077W

Helicopter Operations

Landing on

- Preparation**
 - Check weather conditions
 - Check helicopter status
 - Check landing status
 - Check rescue status
 - Check first aid status
 - Check fire status
 - Check first aid status
 - Check fire status
 - Check first aid status
 - Check fire status
- Pre-arrival**
 - Check weather conditions
 - Check helicopter status
 - Check landing status
 - Check rescue status
 - Check first aid status
 - Check fire status
 - Check first aid status
 - Check fire status
 - Check first aid status
 - Check fire status
- Helicopter communication**
 - Check weather conditions
 - Check helicopter status
 - Check landing status
 - Check rescue status
 - Check first aid status
 - Check fire status
 - Check first aid status
 - Check fire status
 - Check first aid status
 - Check fire status
- Helicopter approach**
 - Check weather conditions
 - Check helicopter status
 - Check landing status
 - Check rescue status
 - Check first aid status
 - Check fire status
 - Check first aid status
 - Check fire status
 - Check first aid status
 - Check fire status
- Landing**
 - Check weather conditions
 - Check helicopter status
 - Check landing status
 - Check rescue status
 - Check first aid status
 - Check fire status
 - Check first aid status
 - Check fire status
 - Check first aid status
 - Check fire status
- Crew/Passenger Transfer**
 - Check weather conditions
 - Check helicopter status
 - Check landing status
 - Check rescue status
 - Check first aid status
 - Check fire status
 - Check first aid status
 - Check fire status
 - Check first aid status
 - Check fire status

An ISM Code Safety Poster

1078W

Personal Protective Equipment

Choosing the correct equipment for your safety

- Head protection**
 - Check head protection status
 - Check head protection status
 - Check head protection status
 - Check head protection status
 - Check head protection status
 - Check head protection status
 - Check head protection status
 - Check head protection status
 - Check head protection status
 - Check head protection status
- Eye protection**
 - Check eye protection status
 - Check eye protection status
 - Check eye protection status
 - Check eye protection status
 - Check eye protection status
 - Check eye protection status
 - Check eye protection status
 - Check eye protection status
 - Check eye protection status
 - Check eye protection status
- Ear protection**
 - Check ear protection status
 - Check ear protection status
 - Check ear protection status
 - Check ear protection status
 - Check ear protection status
 - Check ear protection status
 - Check ear protection status
 - Check ear protection status
 - Check ear protection status
 - Check ear protection status
- Respiratory protection**
 - Check respiratory protection status
 - Check respiratory protection status
 - Check respiratory protection status
 - Check respiratory protection status
 - Check respiratory protection status
 - Check respiratory protection status
 - Check respiratory protection status
 - Check respiratory protection status
 - Check respiratory protection status
 - Check respiratory protection status
- Hand protection**
 - Check hand protection status
 - Check hand protection status
 - Check hand protection status
 - Check hand protection status
 - Check hand protection status
 - Check hand protection status
 - Check hand protection status
 - Check hand protection status
 - Check hand protection status
 - Check hand protection status
- Foot protection**
 - Check foot protection status
 - Check foot protection status
 - Check foot protection status
 - Check foot protection status
 - Check foot protection status
 - Check foot protection status
 - Check foot protection status
 - Check foot protection status
 - Check foot protection status
 - Check foot protection status
- Specialized equipment**
 - Check specialized equipment status
 - Check specialized equipment status
 - Check specialized equipment status
 - Check specialized equipment status
 - Check specialized equipment status
 - Check specialized equipment status
 - Check specialized equipment status
 - Check specialized equipment status
 - Check specialized equipment status
 - Check specialized equipment status

An ISM Code Safety Poster

1028W

Vessel Induction and Familiarisation

A requirement of the STCW Convention

- Introductory information**
 - Check vessel status
 - Check vessel status
 - Check vessel status
 - Check vessel status
 - Check vessel status
 - Check vessel status
 - Check vessel status
 - Check vessel status
 - Check vessel status
 - Check vessel status
- Vessel tour**
 - Check vessel status
 - Check vessel status
 - Check vessel status
 - Check vessel status
 - Check vessel status
 - Check vessel status
 - Check vessel status
 - Check vessel status
 - Check vessel status
 - Check vessel status
- Personal Protection**
 - Check personal protection status
 - Check personal protection status
 - Check personal protection status
 - Check personal protection status
 - Check personal protection status
 - Check personal protection status
 - Check personal protection status
 - Check personal protection status
 - Check personal protection status
 - Check personal protection status
- Stress systems**
 - Check stress systems status
 - Check stress systems status
 - Check stress systems status
 - Check stress systems status
 - Check stress systems status
 - Check stress systems status
 - Check stress systems status
 - Check stress systems status
 - Check stress systems status
 - Check stress systems status
- Specific Emergency Training**
 - Check specific emergency training status
 - Check specific emergency training status
 - Check specific emergency training status
 - Check specific emergency training status
 - Check specific emergency training status
 - Check specific emergency training status
 - Check specific emergency training status
 - Check specific emergency training status
 - Check specific emergency training status
 - Check specific emergency training status
- Environment**
 - Check environment status
 - Check environment status
 - Check environment status
 - Check environment status
 - Check environment status
 - Check environment status
 - Check environment status
 - Check environment status
 - Check environment status
 - Check environment status

An ISM Code Safety Poster

1081W

Enclosed Space Entry

Safety procedures for entering enclosed spaces

- Enclosed Spaces Are Dangerous**
 - Check enclosed spaces status
 - Check enclosed spaces status
 - Check enclosed spaces status
 - Check enclosed spaces status
 - Check enclosed spaces status
 - Check enclosed spaces status
 - Check enclosed spaces status
 - Check enclosed spaces status
 - Check enclosed spaces status
 - Check enclosed spaces status
- Prepare Space For Entry**
 - Check space preparation status
 - Check space preparation status
 - Check space preparation status
 - Check space preparation status
 - Check space preparation status
 - Check space preparation status
 - Check space preparation status
 - Check space preparation status
 - Check space preparation status
 - Check space preparation status
- Prepare Safety Equipment**
 - Check safety equipment status
 - Check safety equipment status
 - Check safety equipment status
 - Check safety equipment status
 - Check safety equipment status
 - Check safety equipment status
 - Check safety equipment status
 - Check safety equipment status
 - Check safety equipment status
 - Check safety equipment status
- Communications and Procedures**
 - Check communications status
 - Check communications status
 - Check communications status
 - Check communications status
 - Check communications status
 - Check communications status
 - Check communications status
 - Check communications status
 - Check communications status
 - Check communications status
- Avoid Additional Risks**
 - Check additional risks status
 - Check additional risks status
 - Check additional risks status
 - Check additional risks status
 - Check additional risks status
 - Check additional risks status
 - Check additional risks status
 - Check additional risks status
 - Check additional risks status
 - Check additional risks status

An ISM Code Safety Poster

1006W

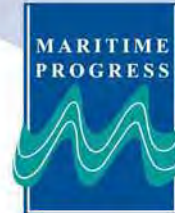
Enclosed Space Entry Safety Signs

Safety signs used to identify hazardous spaces

- Danger Low Oxygen Level**
 - Check low oxygen level status
 - Check low oxygen level status
 - Check low oxygen level status
 - Check low oxygen level status
 - Check low oxygen level status
 - Check low oxygen level status
 - Check low oxygen level status
 - Check low oxygen level status
 - Check low oxygen level status
 - Check low oxygen level status
- Danger Flammable Atmosphere**
 - Check flammable atmosphere status
 - Check flammable atmosphere status
 - Check flammable atmosphere status
 - Check flammable atmosphere status
 - Check flammable atmosphere status
 - Check flammable atmosphere status
 - Check flammable atmosphere status
 - Check flammable atmosphere status
 - Check flammable atmosphere status
 - Check flammable atmosphere status
- No Smoking No Naked Lights**
 - Check no smoking status
 - Check no smoking status
 - Check no smoking status
 - Check no smoking status
 - Check no smoking status
 - Check no smoking status
 - Check no smoking status
 - Check no smoking status
 - Check no smoking status
 - Check no smoking status
- Danger Toxic Vapours**
 - Check toxic vapours status
 - Check toxic vapours status
 - Check toxic vapours status
 - Check toxic vapours status
 - Check toxic vapours status
 - Check toxic vapours status
 - Check toxic vapours status
 - Check toxic vapours status
 - Check toxic vapours status
 - Check toxic vapours status
- No Entry To Unauthorised Personnel**
 - Check no entry status
 - Check no entry status
 - Check no entry status
 - Check no entry status
 - Check no entry status
 - Check no entry status
 - Check no entry status
 - Check no entry status
 - Check no entry status
 - Check no entry status

An ISM Code Safety Poster

1007W



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



Posters

- Health & safety awareness

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



1069W



1070W

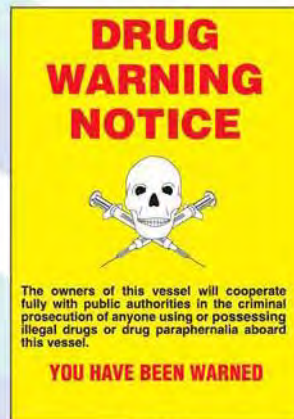


1038



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.

Control of Noise
Reference IMO Code on Noise Levels on Board Ships
Exemptions can apply

1. Employers Responsibilities

2. Noise Survey Report

3. Provide Training

4. Seafarers Responsibilities

5. General

An ISM Code Safety Poster

1072W

Gas Bottle Safety
Safe handling, storage and working practices

Common Gases used on Vessels

Safe Handling

Safe Storage

An ISM Code Safety Poster

1032W

Know your signs
Meanings, colours and examples of graphics used for signage

Prohibition signs, meaning:

- Stop
- Not allowed
- What or who is forbidden

Safety signs, meaning:

- Safe condition
- First aid
- Safety Equipment
- Means of escape

Mandatory signs, meaning:

- You are required to carry out a specific action

Hazard signs, meaning:

- Nature of danger and/or caution

Fire signs, meaning:

- Location and type of fire fighting equipment

An ISM Code Safety Poster

1068Y

Fire Extinguisher Types
Popular types of fire extinguishers and types of fire to which they are suitable

WATER	FOAM SPRAY	POWDER	CARBON DIOXIDE	WET CHEMICAL	FIRE BLANKET
Safe for use on wood, paper & fabric fires	Safe for use on wood, paper & fabric fires	Safe for use on wood, paper & fabric fires	Safe for use on wood, paper & fabric fires	Safe for use on wood, paper & fabric fires	Safe for use on wood, paper & fabric fires
Do not use on flammable liquid fires	Do not use on flammable liquid fires	Do not use on flammable liquid fires	Do not use on flammable liquid fires	Do not use on flammable liquid fires	Do not use on flammable liquid fires

1027Y

Types of modern fire extinguishers

Water extinguisher	Foam extinguisher	Powder extinguisher	CO ² extinguisher	Wet chemical extinguisher	Fire blanket
Safe for use on wood, paper & fabric fires	Safe for use on wood, paper & fabric fires	Safe for use on wood, paper & fabric fires	Safe for use on wood, paper & fabric fires	Safe for use on wood, paper & fabric fires	Safe for use on wood, paper & fabric fires
Do not use on flammable liquid fires	Do not use on flammable liquid fires	Do not use on flammable liquid fires	Do not use on flammable liquid fires	Do not use on flammable liquid fires	Do not use on flammable liquid fires

1426KP

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.

THINK SAFETY
Eye Protection

THINK SAFETY
Fire Prevention

Don't expire, take care with fire

You What can

- 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



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 Safety WORKS** 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.



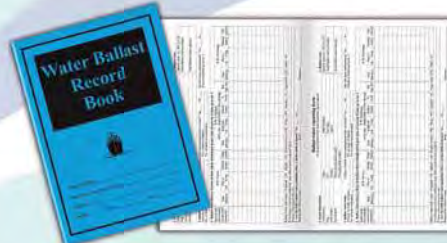
Garbage Record Book – PB1203Y ♦

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
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2509
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2540
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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/m² @ 10 minutes and 4mcd/m² @ 60 minutes when tested in accordance with DIN 67510-1 Part 1.

PV 2014 ♦ - 40mm wide x 10m

PV 2018 ♦ - 80mm wide x 10m

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

Green Black Red

PV 2034 ♦, **2044** ♦, **2054** ♦ - 40mm wide x 10m

PV 2038 ♦, **2048** ♦, **2058** ♦ - 80mm wide x 10m



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

ST 2000 ♦ - 50mm wide x 45m

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

Red and White - **CV 2059** ♦ - 50mm wide x 10m

Black and Yellow - **CV 2011** ♦ - 50mm wide x 10m

CV 2012 ♦ - 100mm wide x 10m

CV 2013 ♦ - 150mm wide x 10m



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

Red and White - **CV 2005** ♦ - 70mm wide x 500m

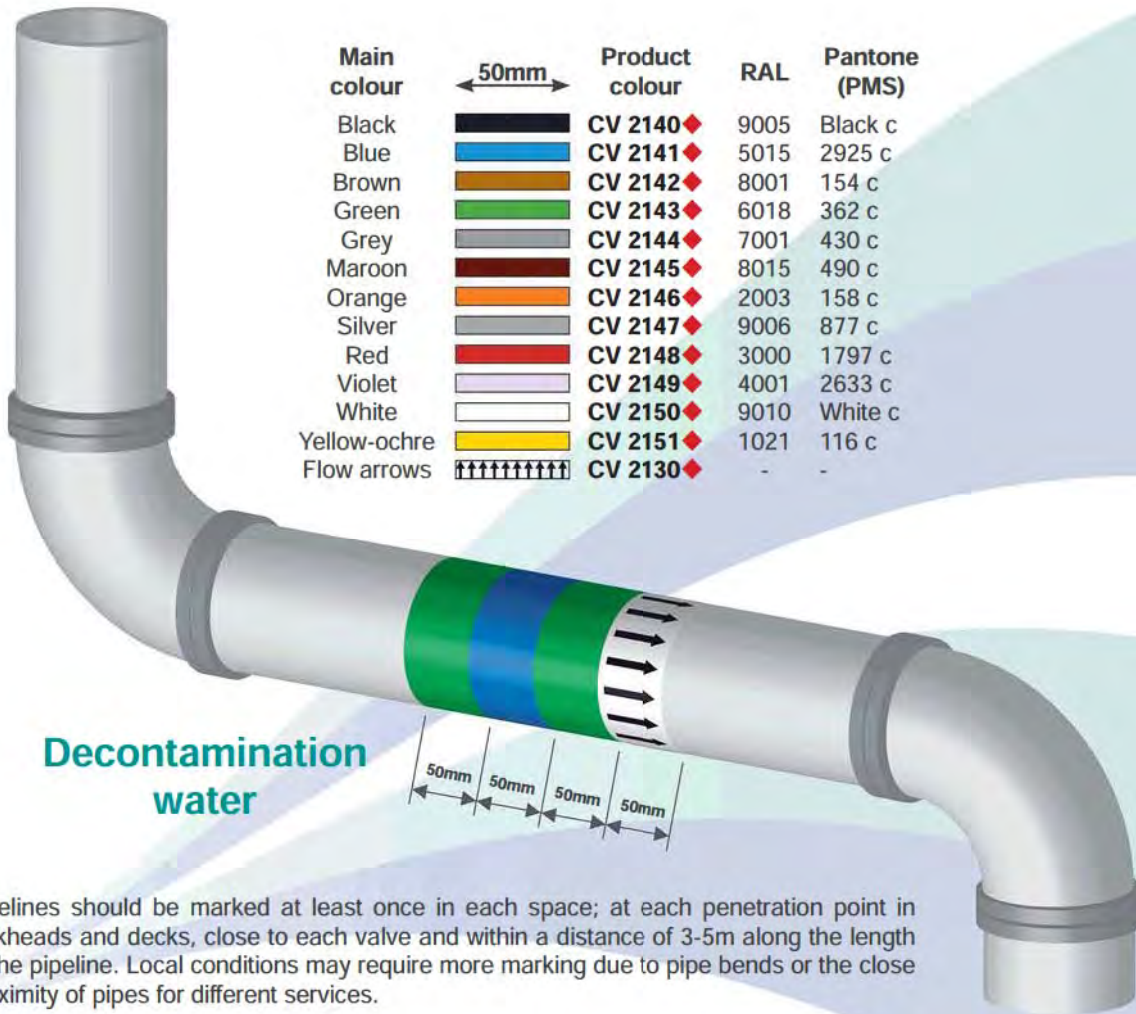
Black and Yellow - **CV 2006** ♦ - 70mm wide x 500m





Pipe identification tape

- ISO 14726



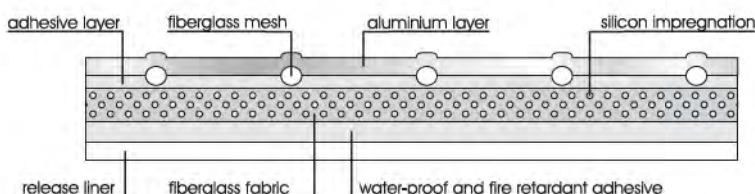
Main colour	50mm	Product colour	RAL	Pantone (PMS)
Black		CV 2140 ◆	9005	Black c
Blue		CV 2141 ◆	5015	2925 c
Brown		CV 2142 ◆	8001	154 c
Green		CV 2143 ◆	6018	362 c
Grey		CV 2144 ◆	7001	430 c
Maroon		CV 2145 ◆	8015	490 c
Orange		CV 2146 ◆	2003	158 c
Silver		CV 2147 ◆	9006	877 c
Red		CV 2148 ◆	3000	1797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

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
	Waste media		Ref. Nos.
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
	Fresh water		Ref. Nos.
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
	Sea water		Ref. Nos.
Decontamination water			2143-2141-2143
Sea water, sanitary			2143-2142-2143
Ballast water			2143-2149-2143
Cooling sea water			2143-2151-2143
	Fuel		Ref. Nos.
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
	Non-flammable gasses		Ref. Nos.
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
	Oil other than fuel		Ref. Nos.
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

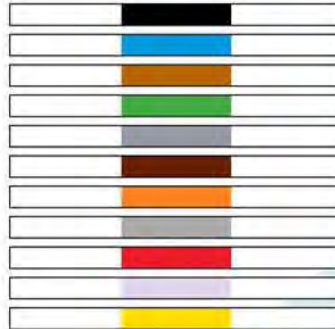


Pipe identification tape

- 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

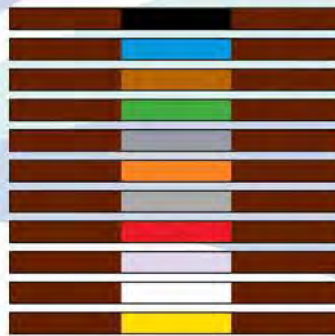
- Fire fighting water
- Fire fighting gas
- Sprinkler water
- Spray water
- Fire fighting powder
- Fire fighting foam



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

Air and sounding pipes

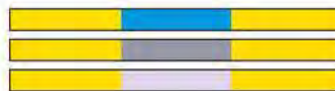
- Waste media
- Fresh water
- Fuel
- Sea water
- Non-flammable gases
- Oil other than fuels
- Steam
- Fire fighting
- Acids and Alkalis
- Ventilation systems
- Flammable gases



- 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

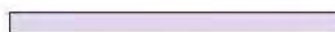
- Steam for heating
- Exhaust steam
- Supply steam



- 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.

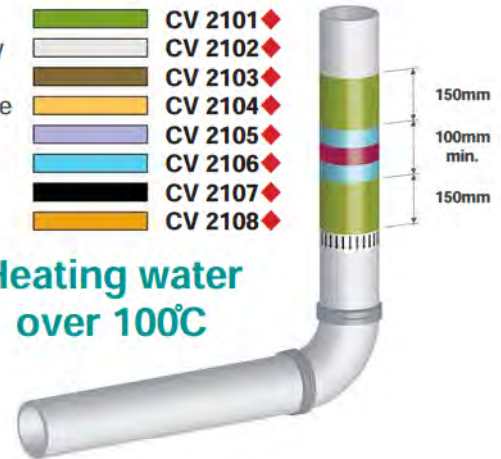
The identification banding is at least 400mm wide therefore tapes of 150mm wide (CV2101 to CV2108) are available in compliance with this standard. Sub category identification of content is done using 50mm tape (CV2111 to CV2121). All tapes are 30m long.

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.

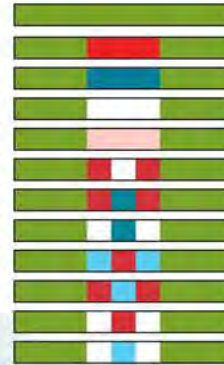
Main colour	50mm	Product colour	Main colour	150mm	Product colour
Red		CV 2111	Green		CV 2101
Primrose		CV 2112	Silver/Grey		CV 2102
Auxiliary blue		CV 2113	Brown		CV 2103
Crimson		CV 2114	Yellow ochre		CV 2104
Emerald green		CV 2115	Violet		CV 2105
Salmon pink		CV 2116	Light blue		CV 2106
White		CV 2117	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

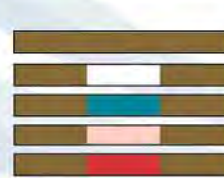
Sea, river or untreated
Fire mains
Drinking
Cooling (primary)
Hydraulic power
Boiler feed
Condensate
Chilled
Heating over 100°C
Heating under 100°C
Hot
Cold



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

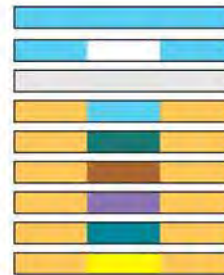
Furnace
Diesel
Lubricating
Hydraulic power
Transformer



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

Gases

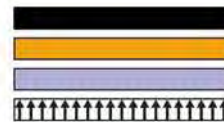
Compressed air
Vacuum
Steam
Refrigerant 12
Refrigerant 22
Refrigerant 502
Anhydrous ammonia
Other refrigerants
Natural gas



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



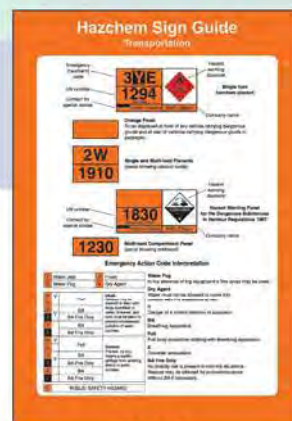
Class 9
2230
GG & LL



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



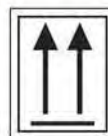
Transport at elevated temp.
2293
GG & LL



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.