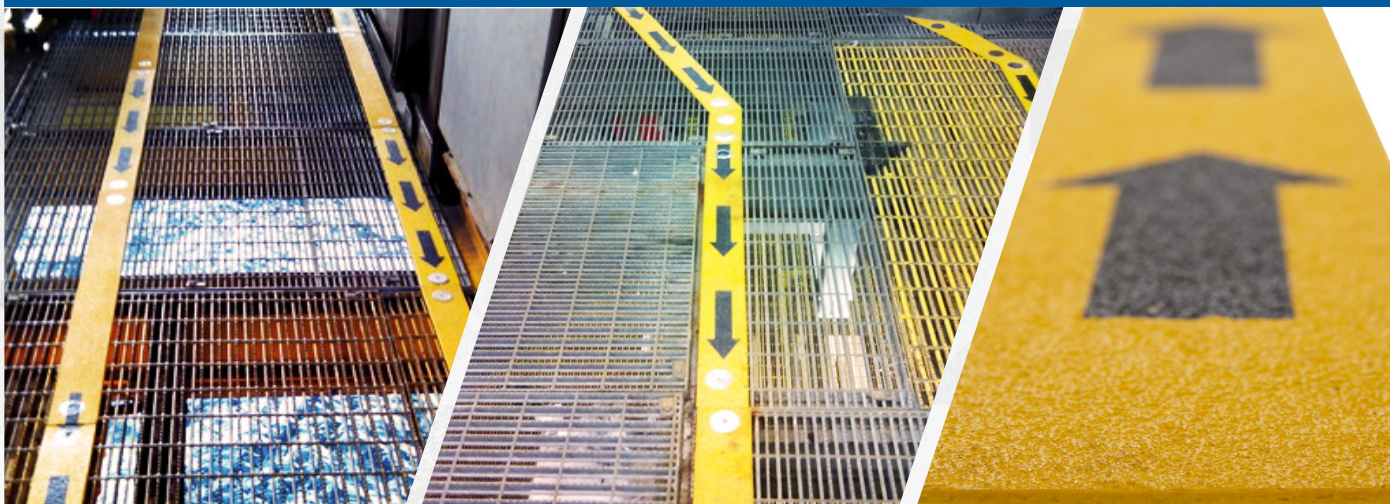




Technical data sheet

Real Safe Escape Markers



Description

Real Safe Escape is the award-winning, new and effective guide to emergency exits and escape routes for offshore, industrial and maritime environment gratings. The profiles are in compliance with the MED directive for material low flame spreading and smoke emission characteristics.

We, therefore, developed this profile that measures 1200 mm x 100 mm x 3.5 mm that can be supplied with or without printed arrows, which besides being very visible also are permanently slip-safe. All profiles are delivered as standard in a "safety yellow colour" RAL 1003 in accordance with ISO 13702 clause 14.

Key benefits



- **Non Slip Top Surface**

The anti-slip sheets have an exceptionally grippy top surface to provides excellent slip resistance, in wet, dirty, oily or icy conditions.

- **Hardwearing Fiberglass**

The flat sheets are made from high quality resins and glassfibers, which gives an exceptionally tough and hard wearing core structure.

- **Aluminium oxide**

Integrated in the top surface of the sheets are aluminium oxides. The hardness of these makes them impossible to wear down.

- **Legislation Compliant**

Being anti-slip and also available in contrasting colors, the flat sheets meet with the requirements of the Building Regulations and DDA

- **Simple Installation**

The escape markers are designed to be very easy to fit and can easily be mounted by a maintenance man.



Technical Data		
Smoke & Flame	ASTM E648 NFPA 253	Average Critical Radiant Flux: 1.04 Watts/cm2
	ASTM E662 NFPA 258	Average Maximum Density Corrected (Flaming): Average Specific Optical Density at 4.0 Minutes: 187
		Average Maximum Density Corrected (Non-Flaming): 341 Average Specific Optical Density at 4.0 Minutes: 311
	ASTM E84	Flame Spread: 20 Smoke Developed: 400 Flame Spread: 50 Smoke Developed: 90 (Vinyl)
	NFPA 258	Passed
Wear	Simulator: 30,000 cycles, 400 pounds	Little wear at end of test: Approximately 0.013 inch (0.33 mm) between worn and unworn sections of cover
Impact	Approx. 138 Joules (17 lb. pendulum), 60°F	Slip resistant coating detached at point of impact only. No shattering occurred.
Thermal Shock	Range: -40°to 150°F	After 20 cycles, visual inspection for cracking or melting revealed no sign of damage
Weathering	ASTM D4587	Lightness/Darkness (L*) - small change Redness/Greenness (a*) - small decrease Yellowness (b*) - slightly larger decrease

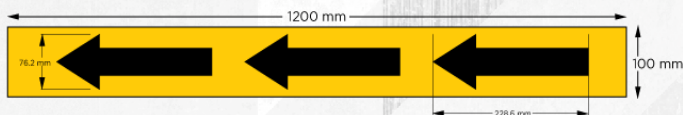
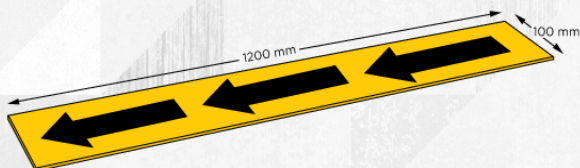
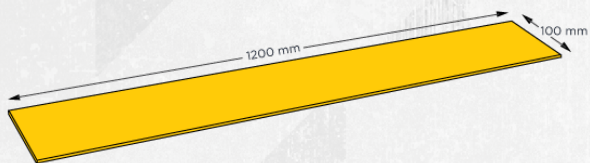
Physical and chemical properties	
Physical state and appearance	Solid.
Colour	According to the product.
Odour	Practically odourless.
Boiling point	Undetermined.
Melting point	> 400°C.
Specific gravity	1.5 - 1.9 g/m3.
Vapor density	Not applicable.
Solubility	Not applicable.
pH	Insoluble.
Inflammation point	480°C.
Autoignition temperature	Not auto-flammable.
Decomposition temperature	Not applicable.

Disposal considerations	
Method of disposal	Must be disposed of in accordance with federal, regional and local environmental control regulations
European wate code	200139

Transport information	
Regulation of transport	Classified as not hazardous and non-toxic.



Specification



ANTI SLIP ESCAPE ROUTE MARKER

Pultruded FRP Composite
 10 Years Warranty
 Fused Alumina Grit
 Safety Yellow (RAL 1003)

SIZE mm	L	W	H
	1200	100	3,5

ANTI SLIP ESCAPE ROUTE MARKER

Pultruded FRP Composite
 10 Years Warranty
 Fused Alumina Grit
 Safety Yellow with Black Arrows

SIZE mm	L	W	H
	1200	100	3,5

Slip Resistance Level

By using the ramp test, the surface on REAL solutions are graduated as R13. The ramp test is an official laboratory test, which refers to in what angle the slip resistance ceases. The higher angle the better slip resistance.

Real Safety's solutions are all classified as R13.

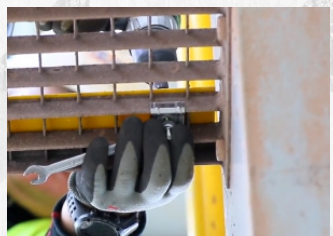
DIN 51130: The test person is wearing shoes with well-defined rubber outsole. The floor is covered with a lubricant (a well-defined engine oil). The slip angles are noted and classified according to this table:

DIN 51130/Classe	R9	R10	R11	R12	R13
Slip angle (°)	6-10	10-19	19-27	27-35	>35
Slip Resistance	Very Low	Low	Medium	High	Very High

Installation

During the development process of this revolutionary product, we took the installation stage into consideration as well. We were aiming for simplifying this step which also makes the time consumption of it much shorter compared to any other method.

With our specially designed clamps for gratings, one can easily install any anti-slip profile from above by simply following the steps illustrated below.





Cleaning

Regular cleaning will keep your Covers free of debris and looking new. Most household methods can be used. Detergents and mild degreasers work well. For stubborn deposits use a stiff bristle brush. High pressure cleaning may be used in industrial environment.

CAUTION: Do not use mops. The gritted surface will catch and retain fibres. Strong solvents are not recommended. If necessary, mild solvents may be used provided they are diluted and immediately hosed off with water.



Example showing before and after high pressure cleaning