

FRP Step Cover Technical Data Sheet

Key benefits

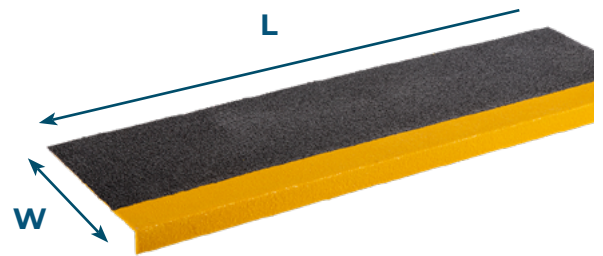
- Anti Slip Top Surface**
 FRP Step Covers have an anti-slip surface that offer excellent slip resistance. It is also at the edge angle where most slip incidents happen.
- Quick and versatile**
 They can be installed by anyone, in all weather conditions and retrofit onto existing stairs regardless of surface base (wood, checker plate, gratings, concrete etc.)
- Designed to enhance visual safety**
 The FRP Step Covers can be designed in any colour combination and with any print, logo or sign, so they can be used as reminders of the safety policies or other important information.



Specification

Please specify this text to secure best practice and quality:

- Product:** FRP Step Cover
- Color:** Safety Yellow Nosing and black thread (or any colour combination)
- Grit type:** Aluminium Oxide
- Grit size:** mesh 10 (offshore) mesh 20 (industrial)
- Length:** (see table or specify)
- Width:** (see table or specify)
- Slip resistance:** R13



Length (mm)	450	600	750	900	1200	1500	1800	2100	2400	2700	3000
Width (mm)	150	150	150	150	150	150	150	150	150	150	150
	230	230	230	230	230	230	230	230	230	230	230
	300	300	300	300	300	300	300	300	300	300	300

Slip resistance level

Classified with the highest scores as R13.

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

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Technical data

Smoke & Flame	ASTM E648 Nepa 253	Average Critical Radiant Flux: 1.04 Watts/cm ²
	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	According to the product
Boiling point	Undetermined
Melting point	> 400°C
Specific gravity	1.5 - 1.9 g/m ³
Vapor density	Not applicable
Solubility	Not applicable
pH	Insoluble
Inflammation point	480°C
Autoignition temperature	Not auto-flammable
Decomposition temperature	Not applicable

Grid Choice



Offshore

For offshore and heavy industrial applications.



Industry

For industrial and commercial applications.

For installation and cleaning guides, please contact us.