

Anti-Slip Flat Sheet

Slip Resistance

Features

Ideal for both wet and dry environments. Designed to be fixed directly to decking to dramatically improve the safety.

- Water, oil and chemical resistant.
- Provides an immediate improvement in safety in any environment.
- Ideal for marking out walkways, providing clear routes of access with inherent strong anti-slip properties.
- Text and symbols can be formed in the grit surface giving endless opportunities to further improve safety and awareness.



Code	Width	Length
FS3296	810mm	1220
FS4848	1220mm	1220
FS4896	1220mm	2440

Medium Grit – Fine and Heavy grits also available

Blue Diamond Industrial Supplies
Hatton, Peterhead AB42 ORX

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Pendulum Slip Test Data

The Pendulum Slip Testing concluded that Blue Diamond's GRP Anti-Slip products achieved the highest slip resistant classification of 'Extremely Low' pedestrian slip risk.

Pendulum Test Value (PTV)	Slip Risk
0 - 24	High
25 - 35	Moderate
36 - 64	Low
65+	Extremely Low

Blue Diamond's Pendulum Test Results

Grp Anti-slip Range	Coefficient of Friction (CoF)	
	DRY	WET
Standard Grit	82	76
Heavy Duty Grit	97	76

Product Specification

Weight	6.8 Kg per metre square
Thickness	4mm
Service Temperature	-50°C - 110°C
Standard colours	Black, Yellow
Environment	Suitable for indoor and outdoor use, in all conditions
Ignitability	Tested to EN ISO 9239-1:2010
Radiant panel test for floorings	Tested to EN ISO 9239-1
Anti-slip	Tested to BS7976.2
Cutting tolerance	+/- 4mm
Useable life	Expectancy 10+ years with normal industrial usage

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GRP Care and Maintenance

Cleaning

Being a highly durable material, use of a stiff brush will normally be sufficient to remove everyday dirt and debris, and for more stubborn dirt a mild detergent with warm water is often effective. A pressure washer on a low pressure setting can be used to clean the GRP, however care should be taken to ensure that this does not harm the integrity of the fixing, which is likely to be screws of and adhesive. Always test any cleaning methods and liquids on a small inconspicuous area before applying to the Spills should be cleared up immediately in line with the product data sheets and the company's own safety procedures.

General Routine Maintenance

The integrity of all fixings should be checked on a regular basis to ensure that the GRP remains in a firm and stable position. The gritted surfaces and GRP substrate should also be checked regularly, the frequency of which will depend on the nature and volume of footfall. As a guide, for high traffic areas a monthly inspection would be advisable, however this should be carried out in conjunction with the company's procedures.

Life Expectancy

Design life of 10+ years, subject to traffic and footfall. The life expectancy of any flooring product will be dictated by the nature and volume of the traffic it receives. Factors such as footwear type and material, weight of individual, non-pedestrian traffic, and any contamination such as dirt or grit are all factors that will influence the life term through the natural wear and tear of the GRP.

Installation

Handling

Safe handling practices should always be employed. GRP should be stored face down.

Cutting

Minor adjustments, small cut outs, can be made with a hacksaw or a jigsaw with a suitable blade. Should you wish to cut yourself, GRP can be easily cut to size using orbital cutting equipment with either a stone or diamond blade. Cutting should be carried out externally or where there is dust extraction or suitable ventilation. Appropriate protective equipment should always be worn.



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Fixing

We recommend a double fixing method for installing stair tread covers consisting of a high strength bonding adhesive and mechanical fixing to each end.

Sikaflex is recommended for bonding GRP to sound surfaces such as concrete, wood, metal and steel. Other products may be more appropriate where the substrate surface is inconsistent or damaged.

Sikaflex adhesive is also a sealant and can be used to seal around the edge to stop water lying between the stair cover and the substrate (water will not harm the stair cover but can affect wood or metal substrates causing rot or rust). Furthermore, use of Sikaflex will also help eliminate any drumming noise, when walked upon, that can be created when fitting onto an existing substrate.

As an approximate guide, with a 6mm bead 1 x 300 ml tube of Sikaflex should be sufficient to bond 3.5 linear metres of Safe Tread Anti-Slip Stair Cover.

Preparation

Any damage or undulations to the underlying substrate should be remedied to ensure that the stair tread cover will be on a flat and even surface. When using an adhesive the substrate must be clean and dry, free from oils and grease, dust and loose particles.

The underside of the stair tread cover must also be clean and dry. Where the substrate is contaminated (i.e. by oil or is wet) or its surface strength is imperfect, mechanical fixing is essential. The installer should ensure that the substrate is of sufficient quality to achieve a secure fixing.

Prior to applying an adhesive it's advisable to first carry out a dry-fit to ensure a suitable fit.

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GRP Chemical Resistance Chart

Environment	%Conc.	Max.Oper. Temp.F/C.
Acetic Acid	50	125/52
Aluminum Hydroxide	100	160/71
Ammonium Chloride	ALL	170/77
Ammonium Bicarbonate	15	125/52
Ammonium Hydroxide	28	N/R
Ammonium Sulfate	ALL	170/77
Benzene	ALL	N/R
Benzoic Acid	SAT	150/66
Borax	SAT	170/77
Calcium Carbonate	ALL	170/77
Calcium Nitrate	ALL	180/82
Carbon Tetrachloride	100	N/R
Chlorine Dry Gas	-	140/60
Chlorine Water	SAT	80/27
Chromic Acid	5	70/21
Citric Acid	ALL	170/77
Copper Chloride	ALL	170/77
Copper Cyanide	ALL	170/77
Copper Nitrate	ALL	170/77
Ethanol	50	75/24
Ethylene Glycol	100	90/32
Ferrous Chloride	ALL	170/77
Formaldehyde	50	75/24
Glucose	100	170/77
Gasoline	100	80/27
Glycerin	100	150/66
Hydrobromic Acid	50	120/49
Hydrochloric Acid	37	75/24
Hydrogen Peroxide	5	100/38
Lactic Acid	ALL	170/77

Environment	%Conc.	Max.Oper. Temp.F/C.
Lithium Chloride	SAT	150/66
Magnesium Chloride	ALL	170/77
Magnesium Nitrate	ALL	140/60
Magnesium Sulfate	ALL	170/77
Mercuric Chloride	100	150/66
Mercurous Chloride	ALL	140/60
Nickel Chloride	ALL	170/77
Nickel Sulfate	ALL	170/77
Nitric Acid	20	70/21
Oxalic Acid	ALL	75/24
Perchloric Acid	10	N/R
Phosphoric Acid	100	120/49
Potass.Chloride	ALL	170/77
Potassium Dichromate	ALL	170/77
Potassium Sulfate	ALL	170/77
Propylene Glycol	ALL	170/77
Sodium Acetate	ALL	160/71
Sodium Bisulfate	ALL	170/77
Sodium Bromide	ALL	170/77
Sodium Cyanide	ALL	170/77
Sodium Hydroxide	N/R	N/R
Sodium Nitrate	ALL	170/77
Sodium Sulfate	ALL	170/77
Stannic Chloride	ALL	160/71
Sulfuric Acid	25	75/24
Tartaric Acid	ALL	170/77
Vinegar	100	170/77
Water Distilled	100	170/77
Zinc Nitrate	ALL	170/77
Zinc Sulfate	ALL	170/77



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