Product Data Sheet

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Anti-Slip GRP Stair Treads

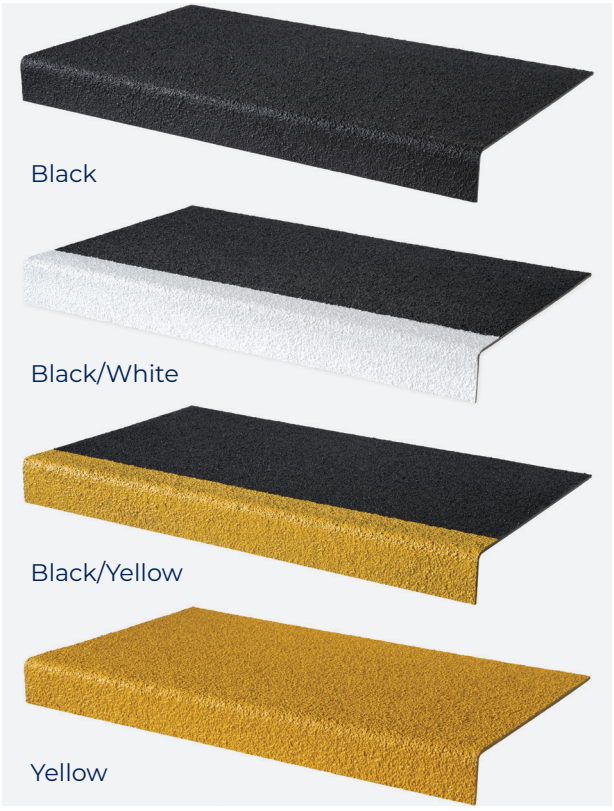
Anti-Slip GRP Stair Treads are a cost-effective way to increase safety on stairways. The gritted surface provides excellent traction which makes them ideal for use in any environment, indoor or outdoors, and can be applied to concrete, metal or wooden steps and much more. Our Anti-Slip GRP Stair Treads are tough and durable making them suitable for use in even the harshest of environments, including frosty and wet areas, as they will not twist, rot or warp. The stair treads can also be used to improve the appearance of chipped or damaged steps and are perfect for use in commercial building applications where it is important to maintain an attractive appearance as well as a safe environment.

Manufactured from the highest quality fibreglass, to ensure longevity and maximum protection, our design allows for quick and easy installation and can be supplied pre-drilled.

Optional screws and adhesive are available to purchase if required.

Features

- **Typical applications**: Perfect for stairways in schools, residential, leisure, construction, commercial and industrial environments. Suitable for indoor and outdoor use.
- **Material**: GRP - Glass reinforced polyester with a resin coated gritted surface.
- **Cleaning**: Using a stiff brush will normally be sufficient to remove everyday dirt and debris. For more stubborn dirt, wash with warm water and a mild detergent, or a pressure washer on a low-pressure setting can also be used.
- **Warranty**: Lifetime.



For more information about this product or, to place an order **click here**

Code	Profile Size	Length	Thickness	Weight	Colour
ST1424BL	55mm x 345mm	600mm	4mm	2.142 Kg	Black
ST1424BW	55mm x 345mm	600mm	4mm	2.142 Kg	Black/White
ST1424BY	55mm x 345mm	600mm	4mm	2.142 Kg	Black/Yellow
ST1424YL	55mm x 345mm	600mm	4mm	2.142 Kg	Yellow

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Anti-Slip GRP Stair Treads

Code	Profile Size	Length	Thickness	Weight	Colour
ST1430BL	55mm x 345mm	750mm	4mm	2.677 Kg	Black
ST1430BW	55mm x 345mm	750mm	4mm	2.677 Kg	Black/White
ST1430BY	55mm x 345mm	750mm	4mm	2.677 Kg	Black/Yellow
ST1430YL	55mm x 345mm	750mm	4mm	2.677 Kg	Yellow
ST1439BL	55mm x 345mm	1m	4mm	3.57 Kg	Black
ST1439BW	55mm x 345mm	1m	4mm	3.57 Kg	Black/White
ST1439BY	55mm x 345mm	1m	4mm	3.57 Kg	Black/Yellow
ST1439YL	55mm x 345mm	1m	4mm	3.57 Kg	Yellow
ST1448BL	55mm x 345mm	1.2m	4mm	4.284 Kg	Black
ST1448BW	55mm x 345mm	1.2m	4mm	4.284 Kg	Black/White
ST1448BY	55mm x 345mm	1.2m	4mm	4.284 Kg	Black/Yellow
ST1448YL	55mm x 345mm	1.2m	4mm	4.284 Kg	Yellow
ST1460BL	55mm x 345mm	1.5m	4mm	5.355 Kg	Black
ST1460BW	55mm x 345mm	1.5m	4mm	5.355 Kg	Black/White
ST1460BY	55mm x 345mm	1.5m	4mm	5.355 Kg	Black/Yellow
ST1460YL	55mm x 345mm	1.5m	4mm	5.355 Kg	Yellow
ST1479BL	55mm x 345mm	2m	4mm	7.14 Kg	Black
ST1479BW	55mm x 345mm	2m	4mm	7.14 Kg	Black/White
ST1479BY	55mm x 345mm	2m	4mm	7.14 Kg	Black/Yellow
ST1479YL	55mm x 345mm	2m	4mm	7.14 Kg	Yellow
ST1410BL	55mm x 345mm	3m	4mm	10.71 Kg	Black
ST1410BW	55mm x 345mm	3m	4mm	10.71 Kg	Black/White
ST1410BY	55mm x 345mm	3m	4mm	10.71 Kg	Black/Yellow
ST1410YL	55mm x 345mm	3m	4mm	10.71 Kg	Yellow
ST1412BW	55mm x 345mm	3.6m	4mm	12.816 Kg	Black/White
ST1412BY	55mm x 345mm	3.6m	4mm	12.816 Kg	Black/Yellow

Please note, cutting tolerance +/- 3mm

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Anti-Slip GRP Stair Treads

Technical Specification	
Slip resistant:	Excellent slip resistance to level 3
Wear resistant:	Excellent wear resistance to level 3, suitable for heavy footfall
Chemical resistant:	Yes
Cut to size:	Yes, tolerance +/- 3mm
Disability friendly:	Yes, the low profile makes it suitable for wheelchair users
Dry area:	Yes
Wet area:	Yes
Oily and greasy area:	Yes
Heavy area:	Yes
Wheeled area:	Yes
Environment:	Suitable for indoor and outdoor use
Flame retardant:	Yes
Impact resistant:	Yes
Non-conductive (Electrical):	Yes
Non-conductive (HV Electrical):	Yes
Product testing:	◆ Slip resistance tested to BS7976.2 - PTV 'Extremely Low' for dry conditions, PTV 'Low' for wet and oily and greasy conditions ◆ Coefficient of Friction (CoF): Dry 70; Wet 63 and Oil 51 ◆ Ignitability - Tested to EN ISO 9239-1:2010
Temperature resistance:	-50°C to +110°C
UV Resistant:	Yes
Cleaning:	Using a stiff brush will normally be sufficient to remove everyday dirt and debris. For more stubborn dirt, wash with warm water and a mild detergent, or a pressure washer on a low-pressure setting can also be used

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Anti-Slip GRP Stair Treads

Pendulum Slip Testing

The pendulum slip testing was carried out on 17.02.23 and concluded that our Anti-Slip Stair Treads achieved the highest slip resistant classification of 'Extremely Low' pedestrian slip risk in dry conditions and 'Low' for wet and oily/greasy environments.

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

Pendulum test results	Coefficient of Friction (CoF)		
	Dry	Wet	Oil
Standard Grit	70	63	51

GRP Care and Maintenance

- **Cleaning**

  Being a highly durable material, using a stiff brush will normally be sufficient to remove everyday dirt and debris, and for more stubborn dirt, wash with warm water and a mild detergent. A pressure washer on a low-pressure setting can also be used, however, care should be taken to ensure that this does not harm the integrity of the fixings being used, likely to be screws and/or adhesive.

  We recommend always testing any cleaning method and liquids on a small inconspicuous section before applying to the full area. Any spills should be cleaned immediately in line with the product data sheets and the company's own safety procedures.

  Please note, yellow stair treads can become discoloured if not cleaned properly. To maintain a clean finish, having a regular cleaning program in place is essential.

- **General Routine Maintenance**

  The integrity of all fixings should be checked on a regular basis to ensure that the stair tread covers remain in a firm and stable position. The gritted surfaces and GRP substrate should also be checked regularly, the frequency would depend on the nature and volume of footfall. As a guide, for high traffic areas a monthly inspection would be advisable.

- **Life expectancy**

  Our Anti-Slip Stair Treads have a design life of 10+ years, however, 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, pedestrian or non-pedestrian traffic, and any contamination such as dirt or grit are all factors that will influence the life term through natural wear and tear of the GRP.

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Anti-Slip GRP Stair Treads

Installation

- **Handling**

  Safe handling practices should always be employed. GRP should also be stored face down to prevent damage.

- **Cutting**

  Minor adjustments, small cut outs, can be made with a hacksaw or a jigsaw with a suitable blade. We offer a full in-house cutting service, however, should you wish to cut the stair tread yourself, this is easily to do by 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.

Fixing and Preparation

Please refer to our **Installation and Maintenance Guide** for further details.

We're here to help

Should you have any questions about our Anti-Slip Stair Treads, or need advice regarding care, maintenance or installation, we're only a phone call away.

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Anti-Slip GRP Stair Treads

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
Potassium 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