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# Anti-Slip GRP Stair Tread

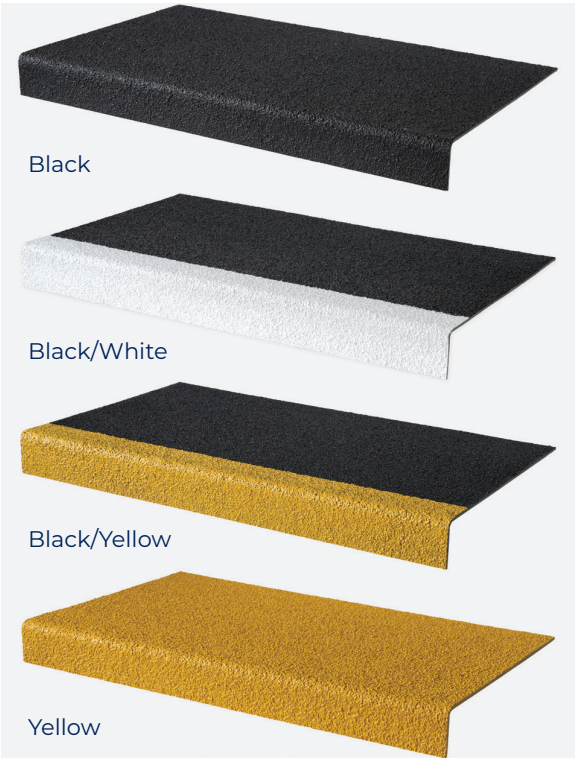
Anti-slip GRP Stair Tread are a cost-effective way to increase safety on stairways. The gritted surface provides excellent traction which makes them ideal for use in any environment, indoor or outdoors, and can be applied to concrete, metal or wooden steps and much more. Our Anti-Slip GRP Stair Treads 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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Product Data Sheet

# Anti-Slip GRP Stair Tread

| 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 |
| ST1412BY | 55mm x 345mm | 3.6m | 4mm | 12.816 Kg | Black/Yellow |

Please note, cutting tolerance +/- 3mm

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Product Data Sheet

# Anti-Slip GRP Stair Tread

| 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<br>◆ Coefficient of Friction (CoF): Dry 70; Wet 63 and Oil 51<br>◆ 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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Product Data Sheet

# Anti-Slip GRP Stair Tread

## Pendulum Slip Testing

The pendulum slip testing was carried out on 17.02.23 and concluded that our Anti-Slip Stair Tread 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 Tread 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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Product Data Sheet

# Anti-Slip GRP Stair Tread

## 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 Tread, or need advice regarding care, maintenance or installation, we're only a phone call away.

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Product Data Sheet

# Anti-Slip GRP Stair Tread

## 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 |