



RIDGEWAY

Anti-Slip GRP Flat Sheet

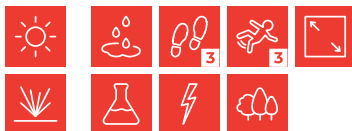
Anti-Slip GRP Flat Sheet is an ideal immediate solution for providing highly effective anti-slip flooring to minimise the risk of slips, trips and falls. Designed to be fitted directly onto concrete, metal, wood and much more, the simple design allows for quick and easy installation, ensuring limited downtime and disruption. Our Anti-slip GRP Flat Sheets are manufactured from the highest quality fibreglass, to ensure longevity and maximum protection making them suitable for both wet and dry environments.

Available in a range of standard lengths, our flat sheets can also be cut to bespoke sizes for the perfect fit. Optional screws and adhesive are available to purchase if required.

Features

- ◆ **Typical applications:** An affordable solution for platforms, walkways, bridges, flooring, ramps and stair covers and can be used on industrial or construction sites, in schools, residential areas, commercial premises and sport and leisure facilities.
- ◆ **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.

Suitable for indoor
and outdoor use



| Code | Size | Thickness | Weight | Colour |
|-------------|-----------------|-----------|---------|--------|
| FS3248BL-FN | 800mm x 1220mm | 4mm | 7.16 Kg | Black |
| FS3248GY-FN | 800mm x 1220mm | 4mm | 7.16 Kg | Grey |
| FS3248YL-FN | 800mm x 1220mm | 4mm | 7.16 Kg | Yellow |
| FS3910BL-FN | 1000mm x 3000mm | 4mm | 15.75kg | Black |



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| Code | Size | Thickness | Weight | Colour |
|-------------|-----------------|-----------|----------|--------|
| FS4848BL-FN | 1220mm x 1220mm | 4mm | 7.82 Kg | Black |
| FS4848GY-FN | 1220mm x 1220mm | 4mm | 7.82 Kg | Grey |
| FS4848YL-FN | 1220mm x 1220mm | 4mm | 7.82 Kg | Yellow |
| FS4859BL-FN | 1220mm x 1500mm | 4mm | 9.63 Kg | Black |
| FS4859YL-FN | 1220mm x 1500mm | 4mm | 9.63 Kg | Yellow |
| FS4896BL-FN | 1220mm x 2440mm | 4mm | 15.63 Kg | Black |
| FS4896GY-FN | 1220mm x 2440mm | 4mm | 15.63 Kg | Grey |
| FS4896YL-FN | 1220mm x 2440mm | 4mm | 15.63 Kg | Yellow |
| FS4810BL-FN | 1220mm x 3000mm | 4mm | 19.25 Kg | Black |
| FS4810YL-FN | 1220mm x 3000mm | 4mm | 19.25 Kg | Yellow |

Please note, cutting tolerance +/- 3%

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 |



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Technical Specification

Non-conductive
(HV Electrical): Yes

Product testing:

- ◆ Slip resistance tested to BS7976.2 - PTV 'Extremely Low' for wet and dry conditions, PTV 'Low' for oily and greasy conditions.
- ◆ Coefficient of Friction (CoF): Dry 73; Wet 72 and Oil 63
- ◆ Water Absorption tested to ISO 62 Method 2, ≤0.4%
- ◆ Fire tested to DIN 4102, Class B2
- ◆ 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

Pendulum Slip Testing

Pendulum slip testing was carried out on 17.02.23 and concluded that our Anti-Slip GRP Flat Sheet achieved the highest slip resistant classification of 'Extremely Low' pedestrian slip risk for wet and dry conditions and 'Low' for oily/greasy areas.

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

| Pendulum test rests | Coefficient of Friction (CoF) | | |
|---------------------|-------------------------------|-----|-----|
| | Dry | Wet | Oil |
| Standard Grit | 73 | 72 | 63 |



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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 flat sheets can become discolored 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 flat sheet(s) 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 GRP Flat Sheets 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.

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 flat sheet 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.

We're here to help

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



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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 |
| 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 |