

4mm Anti-Slip GRP Flat Sheet

Our 4mm 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. Branding using logo's, text or symbols is also possible.

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

For more information about this product or, to place an order [click here](#)

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

Get in touch

0113 245 5450

sales@rawlinspaints.com

www.rawlinspaints.com

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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 +/- 3mm

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 - 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 - ISO 62 - % (Method 2) ≤0,4%
- Fire Resistance - DIN 4102 - Class B2
- Tensile Strength – ISO 527 - 4/2/2 – N/mm² width 68, length 75
- Tensile Modulus – ISO 527 - 4/2/2 – N/mm² width 4650, length 5000
- Elongation at Break – ISO 527 - 4/2/2 – % width 3,5, length 3,8
- Flexural Strength – ISO 14125 – N/mm² width 125, length 145
- Flexural Modulus – ISO 14125 – N/mm² width 4200, length 4850
- Flexural Strain – ISO 14125 – % width 5,4, length 6
- Barcol / Hardness – TS EN 59 – >35
- UV Resistance – ASTM G - 53, QUV-B <10

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 (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	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.

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 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.	Environment	%Conc.	Max.Oper. Temp.F/C.
Acetic Acid	50	125/52	Lithium Chloride	SAT	150/66
Aluminum Hydroxide	100	160/71	Magnesium Chloride	ALL	170/77
Ammonium Chloride	ALL	170/77	Magnesium Nitrate	ALL	140/60
Ammonium Bicarbonate	15	125/52	Magnesium Sulfate	ALL	170/77
Ammonium Hydroxide	28	N/R	Mercuric Chloride	100	150/66
Ammonium Sulfate	ALL	170/77	Mercurous Chloride	ALL	140/60
Benzene	ALL	N/R	Nickel Chloride	ALL	170/77
Benzoic Acid	SAT	150/66	Nickel Sulfate	ALL	170/77
Borax	SAT	170/77	Nitric Acid	20	70/21
Calcium Carbonate	ALL	170/77	Oxalic Acid	ALL	75/24
Calcium Nitrate	ALL	180/82	Perchloric Acid	10	N/R
Carbon Tetrachloride	100	N/R	Phosphoric Acid	100	120/49
Chlorine Dry Gas	-	140/60	Potassium Chloride	ALL	170/77
Chlorine Water	SAT	80/27	Potassium Dichromate	ALL	170/77
Chromic Acid	5	70/21	Potassium Sulfate	ALL	170/77
Citric Acid	ALL	170/77	Propylene Glycol	ALL	170/77
Copper Chloride	ALL	170/77	Sodium Acetate	ALL	160/71
Copper Cyanide	ALL	170/77	Sodium Bisulfate	ALL	170/77
Copper Nitrate	ALL	170/77	Sodium Bromide	ALL	170/77
Ethanol	50	75/24	Sodium Cyanide	ALL	170/77
Ethylene Glycol	100	90/32	Sodium Hydroxide	N/R	N/R
Ferrous Chloride	ALL	170/77	Sodium Nitrate	ALL	170/77
Formaldehyde	50	75/24	Sodium Sulfate	ALL	170/77
Glucose	100	170/77	Stannic Chloride	ALL	160/71
Gasoline	100	80/27	Sulfuric Acid	25	75/24
Glycerin	100	150/66	Tartaric Acid	ALL	170/77
Hydrobromic Acid	50	120/49	Vinegar	100	170/77
Hydrochloric Acid	37	75/24	Water Distilled	100	170/77
Hydrogen Peroxide	5	100/38	Zinc Nitrate	ALL	170/77
Lactic Acid	ALL	170/77	Zinc Sulfate	ALL	170/77