



Specialist Construction Supplies for Repair, Maintenance, Building & Infrastructure

SlipGrip Heavy Duty GRP Flat Sheet Data Sheet

Specification notes

Product: **SlipGrip Heavy Duty
GRP Flat Sheet**

Supplier:

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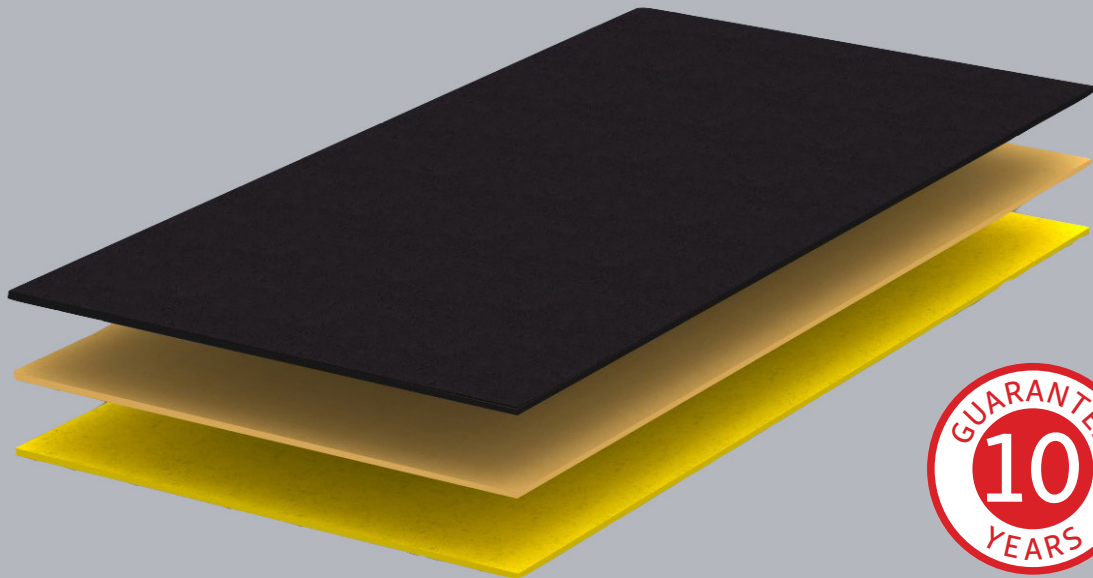
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[Mortars](#)

SlipGrip Heavy Duty GRP Flat Sheet Data Sheet



SlipGrip® Heavy Duty GRP Flat Sheets



Product Description

SlipGrip® Heavy Duty Anti Slip Sheets offer superior slip resistance for both interior and exterior use. Made from durable and lightweight GRP, and with our own superior grit, they are twice as hard wearing as the industry standard quartz. They are also chemical resistant, providing the perfect solution for potentially hazardous areas.

The low profile GRP construction is produced by the pultrusion method, which protects from bending, warping or splitting over time.

SlipGrip® Heavy Duty Sheets comprise of a high quality composite of glass woven matting impregnated with isophthalic polyester resin.



Suitable Substrates

Wood, concrete, stone and metal.



Suitable Applications

Standard: Ramps, walkways, mezzanine floors, Fire escapes and areas of heavy foot traffic.

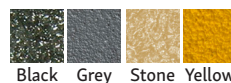
Decorative: Internal ramps



Product Characteristics

- Highly durable anti slip flat sheet surface for heavy walkway use
- DDA (Disability Discrimination Act) and Building Regulations compliant
- Cut to size up to 3m wide free of charge
- Large UK stocks with custom sizes available

Standard



Black Grey Stone Yellow

SlipGrip® Heavy Duty GRP Flat Sheets

Technical Data

Standard sizes for sheets:	800mm x 1200mm 1200mm x 1200mm 2400mm x 1200mm
Cut to size service:	Yes
Colour for Sheets	Black, Bronze, Gold, Grey, Onyx, Pure Silver, Quartz, Stone, Yellow
Grade:	Sheets - Black, Grey, Yellow and Stone available in fine and coarse, all other colours fine only

Thickness:	5/6mm
Service temperature:	-20°C to 80°C
Fire retardant:	ASTM D 635
Impact resistant:	Yes
Corrosion resistant:	Yes
Chemical resistant:	Yes
Lightweight:	Yes
Non sparking:	Yes
Non metallic:	Yes

Slip Resistance Test Results

SlipGrip® Heavy Duty GRP slip resistance levels measured using the Pendulum Test method (WF rubber slider) - certificate available on request:

Top Surface	Dry Reading	Wet Reading
Coarse grit	76	70
Fine grit	71	63

The UK Slip Resistance Group guide to slip resistance of a floor for able bodied pedestrians:

Four S Pendulum Value	Potential for Slip
Above 65	Extremely Low
35 to 65	Low
25 to 35	Moderate
25 and Below	High

To ensure that the above slip resistant levels are maintained the panels should be kept clean in accordance with the information below.

Cleaning and Maintenance

Use of a stiff brush will usually be sufficient when cleaning SlipGrip® Heavy Duty to remove everyday dirt. For more stubborn items, it is recommended that a mild detergent such as SlipGrip® Degreaser is used and then rinsed with cold water. It is important to remove any excess water from the stair treads prior to being put back into use with suitable absorbent materials. Where circumstances allow, SlipGrip® Heavy Duty can be power

washed on a low setting. If SlipGrip® Heavy Duty has been sealed with a sealant; repeated use of a pressure washer could undermine the integrity of the sealant.

The security of the fixings should be checked on a regular basis. Circumstances will vary, based upon the volume of foot traffic etc, but, as a guide, monthly inspections would be advisable.

Handling & Storage

Safe handling practices should always be employed and the appropriate Personal Protection Equipment is to be worn. Store the sheets flat and upside down.

Personal Protection Equipment

It is recommended that the following Personal Protection Equipment is worn for installation of SlipGrip® GRP sheet and stair treads and further protective measures may be necessary but this will depend on the installation environment:

Bonding	Cutting & Mechanical Fixing
<ul style="list-style-type: none"> • Eye Goggles • Protective Gloves • Safety Boots 	<ul style="list-style-type: none"> • Ear Defenders • Eye Goggles • Dust Mask (available from FibreGrid) • Protective Gloves • Safety Boots

SlipGrip® Heavy Duty GRP Flat Sheets

Cutting

SlipGrip® anti slip flat sheets can be cut to size using orbital cutting equipment with a diamond blade. Cutting should be carried out externally or where there is dust extraction or suitable ventilation and the appropriate protective equipment detailed above should be worn. A jigsaw can be used for trimming or for occasions where only a small amount of cutting is required.

Cut to Size service

FibreGrid offers a free cut to size service for all SlipGrip® products. When you place your order, advise the technical advisor that you intend to install the product yourself and they will tailor the order to meet your requirements.

Preparation

Any damage or undulations to the substrate should be remedied to ensure that the flat sheet will be on a reasonably flat and even surface. If using an adhesive, the substrate must be clean and dry and free from oils, grease, dust and any loose particles. The underside of the flat sheet must also be clean and dry. Where the substrate is contaminated (e.g. by oil), mechanical fixing is essential. Prior to applying any adhesive, it is advisable to carry out a dry-fit first to ensure a suitable fit.

FibreGrid recommends a double fixing method for installing GRP anti slip flat sheets, consisting of a high strength adhesive or double sided tape such as 3M 5200 FC P.U. Adhesive or FibreBond Tape, both supplied by us, and mechanical fixings.

Please note:-

- FibreBond Tape Primer should be used with FibreBond Tape when affixing to unsealed, porous concrete, brick, stone,

Bonding

FibreGrid recommends the use of FibreBond Tape or 3M 5200 FC P.U. Adhesive and Primer for SlipGrip® sheets. FibreBond Tape is suitable for bonding to concrete, wood, metal and steel in conjunction with FibreGrid Tape Primer for unsealed, porous concrete, brick, stone, blockwork etc. 3M 5200 FC P.U. adhesive is also a sealant and can be used to seal around the edges and stop water lying between the sheet and the substrate. Water will not affect the sheets or stair covers but can affect the substrate such as wood or metal causing rot or rust. 3M 5200 FC P.U. Adhesive also offers a secondary fixing in the unlikely event that a mechanical fixing fails.

- Run a bead of adhesive around the perimeter of the sheet approximately 25mm in from the edges and then cross hatch at about 200mm apart.
- Apply sufficient hand pressure to bed the sheet into position.
- With 3M 5200 FC P.U. Adhesive, optimum bonding will be obtained after 24 hours (at 20°C). However, stairs can be made available to traffic a few hours after bonding, but this is subject to temperature so it is worth testing first.

Adhesive Coverage

As an approximate guide, with a 3mm bead, 1 x 295ml tube of 3M 5200 FC P.U. Adhesive should be sufficient to bond 37 linear metres of bead, or one 3m length of stair tread.

Mechanical fixing

SlipGrip® anti slip flat sheets can be drilled and secured with stainless steel screws. It is recommended to use the Flooring Sheet Fixing Kit. Follow the preparation procedure prior to fixing:

1. Always ensure that the screw length is slightly longer than the plug length to obtain a good fixing if not using the Flooring Sheet Fixing Kit.
2. Use Mastic Adhesive on the underside to prevent the GRP drumming and rocking on the substrate.
3. Fixing is generally recommended at approximately: 70mm from the front, 50mm from each side, 60mm from the back, at a maximum of 250mm apart.

4. If fitting to a metal substrate, use self-tapping screws. There is no need to counter sink the screw holes since the screw can be tightened so that it beds into the gritted surface, making it flush with the wearing surface.

Predrilling

Slipgrip anti slip flat sheets can also be predrilled with screw holes at your preferred positions

The above installation instructions are to be used as a guide. Always employ safe practices. It is recommended to first test the suitability of any fixing method on a small area before carrying out a full installation programme.

