

Swiss Solutions Slip Grip Flat Sheet

Creating a safer environment

Product description

Slip Grip Flat Sheet HD

The Heavy Duty Anti Slip Sheets offer superior slip resistance for both interior and exterior use. Made from durable and light-weight GRP, and with a superior grit, they are twice as hard wearing as the industry standard. 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.

Suitable Substrates

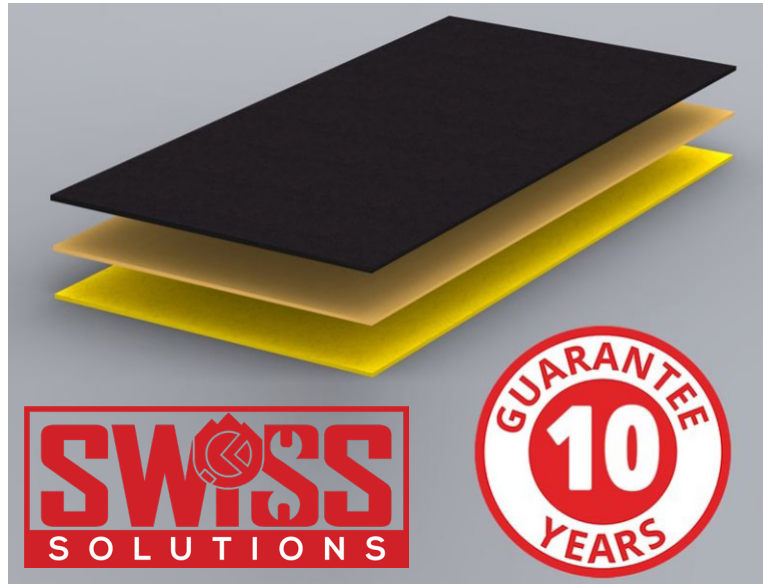
Wood, concrete, stone and metal.

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 walkway use.
Cut to size up to 3mm wide free of charge.
Short delivery time several sizes available.



Distribution:
Repair Management Nederland B.V.



Repair Management Nederland B.V.
More management less firefighting



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Technical data

Standard sheet sizes:	800mm x 1200mm 1200mm x 1200mm 2400mm x 1200mm	Thickness:	5/7mm
Cut to size service:	On request	Service temperature:	-20°C to 80°C
Tolerances (including cut):	+/- 3-4mm	Fire retardant:	ASTM D 635
Grade:	Sheets - Black, Grey, Yellow and Stone available in fine and coarse, all other colours in fine grit only.	Impact resistant:	Yes
		Corrosion resistant:	Yes
		Chemical resistant:	Yes
		Light weight:	Yes
		Non sparking:	Yes
		Non metallic:	Yes

Slip resistance test results

Slip Grip Heavy Duty GRP slip resistance levels measured using the Pendulum Test method (WF rubber slider).

Slip resistance of a floor for able bodied pedestrians. The higher the value the safer the floor.

Top surface	Dry reading	Wet reading	Four S Pendulum value	Potential for slip
Coarse grit	76	70	Above 65	Extremely low
Fine grit	71	63	35 to 65	Low
			25 to 35	Moderate
			25 and lower	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 the Slip Grip Heavy Duty flat sheets to remove every day dirt. For more stubborn items, it is recommended that a mild detergent such as a mild degreaser is used and then rinsed with cold water. It is important to remove any excess water from the stair threads prior to being put back into use with suitable absorbent materials. Where circumstances allow, Slip Grip Heavy Duty flat sheets can be power washed on a low setting. If Slip Grip Heavy Duty flat sheets 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 regular basis. Circumstances will vary, based upon the volume of foot traffic etc., but as 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 the Slip Grip flat sheets and stair treads and further protective measures may be necessary but this will depend on the installation environment:

Bonding: Use eye goggles, protective gloves, safety boots

Cutting & mechanical fixing: Use ear defenders, eye goggles, dust mask (Fine dust), protective gloves, safety boots.



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Cutting

Slip Grip Heavy Duty flat sheets can be cut to size using an angle grinder with diamond blade. Cutting should be carried out externally or where there is dust extraction or suitable ventilation and appropriate protective equipment as described should be worn. A jigsaw can be used for trimming or for occasions where only a small amount of cutting is required. Use a laminating jig saw cutting blade.

Cut to size service: It is possible to order the sheets pre-cut to your requirements. Lead time will be longer.

Preparation

Ensure that the area is clean, dry and free of loose and friable material. Any "dished" or damaged surface areas should be patched repaired to provide a reasonably flat and consistent surface.

Dry fit all Slip Grip panels to ensure they fit freely and that they sit flat down on the surface. If required, Slip Grip panels can be trimmed on site to suit, ideally using a small grinder with diamond blade or a skill saw with special blade.

Please ensure that goggles, dust mask and gloves are worn at all times when form of cutting is involved.

Fixing kit application

Apply an approx. 6mm bead (this may need to be increased dependant on the substrate conditions) of the high strength gap fill adhesive around periphery of the underside of the panel approx. 25mm from the edges. Then starting from the bottom of the left corner come up at an angle (approx. 200mm across) and then down at an angle, to create a 'peak and a trough' repeat this until you reach the end. Immediately press the panel firmly to the substrate to ensure adequate transfer of adhesive (depending on the size of the bead, this will elevate the sheet by approx. 1-1.5mm). A firm bond will be achieved in about one hour under normal circumstances and conditions. Secure with mechanical fixings as below.

Drill holes in from all edges at no more than 300mm apart from the centres. Depending on the width of the panels it may be necessary to provide fixing points at 600mm centres down the middle of the panels. As substrates vary considerably, additional fixings may be required to fix the panels down. If fixing down two pieces of flat sheet that is constrained by sides (i.e. a ramp with wall on either side) a 5mm expansion gap should be considered between the two or more sheets. This gap can be filled with a standard high modulus mastic.

Mechanical fixing

Slip Grip Heavy Duty flat sheets can be drilled and secured with stainless steel fixing screws. It is recommended to use the flooring sheet fixing kit available from Swiss Solutions. 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 Swiss Solutions 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:

Slip Grip Heavy duty flat sheets can also be predrilled. Lead time will be longer.

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.

