

Swiss Solutions Edge Grip Budget

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Product description

Edge Grip Stair Nosings Budget

The Swiss Solutions Edge Grip Budget has been developed as a cost effective solution to the obligations under the disability Discrimination Act Part III and in particular the sections relevant to the partially sighted. In order that the obligations are satisfied, in essence, all stairs accessible by members of the public, should have a contrasting coloured nosing fitted to the step edges and in addition such nosings should provide a slip resistant top surface. Edge Grip Budget is a performed fibreglass nosing.

Suitable substrates

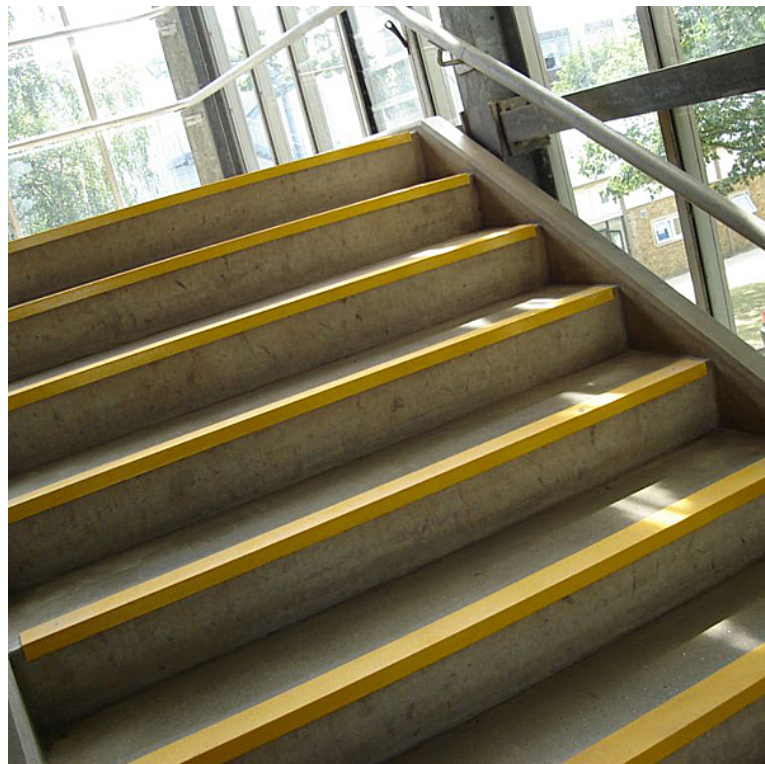
Wood, concrete, stone and metal.

Suitable applications

High traffic areas, spiral staircases, fire escapes, most staircases, external stairs (GRP), internal stairs, platform edges and kerb edges (GRP).

Product characteristics

Meets building regulations. Aids with DDA legislation. Slip resistant top surface. Impact resistant. Fire retardant option. Corrosion resistant. Lightweight. Non metallic, Non sparking. Choice of sizes. Quick installation. Manufactured to ISO. Design life 5 years (subject to traffic analysis).



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Technical data

Standard lengths for stair nosings:	600mm 750mm 800mm 1000mm 1200mm 1500mm 2000mm 3000mm	Available colours:	Yellow
Stair nosings profile:	55mm x 55mm or 70mm x 30mm	Chemical resistance:	GRP made from ISO resin as standard.
Tolerances (including cut):	+/- 3-4mm	Load capabilities:	Credited with no load bearing strength (requires adequate substrate)
Thickness:	3mm	Impact resistant:	Yes
Service temperature:	-20°C to 80°C	Corrosion resistant:	Yes
General use:	Standard pedestrain traffic	Top finish:	Budget Edge Grip: Silicone oxide grit top finish.
		Other info:	GRP made via pultrusion method.

Slip resistance test results

Slip Grip Budget 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
Type "E"	69	59	Above the 65 35 to 65 25 to 35 25 and lower	Extremely low Low Moderate High

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

Cleaning and maintenance

Use of a stiff brush will usually be sufficient when cleaning the Edge Grip Budget 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 warm water. It is important to remove any excess water from the Edge Grip prior to being put back into use with suitable absorbent materials or a wet/dry vacuum cleaner. Where circumstances allow, Edge Grip Budget can be power washed on a low setting. If Edge Grip Budget 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 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 nosings flat and upside down.

Personal protection equipment

It is recommended that the following Personal Protection Equipment is worn for installation of the stair nosings 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

Edge Grip Budget 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 jigsaw cutting blade.

Preparation

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

Dry fit all stair nosings to ensure they fit freely and that they sit flat down on the surface. If required, Edge Grip Budget 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 any form of cutting is involved.

Recommend fixing

We recommend a double fixing method for installing the Edge Grip Budget stair nosings. This consists of an appropriate high strength gap filling adhesive (SP350 or 3M 5200 or similar) and mechanical fixings.

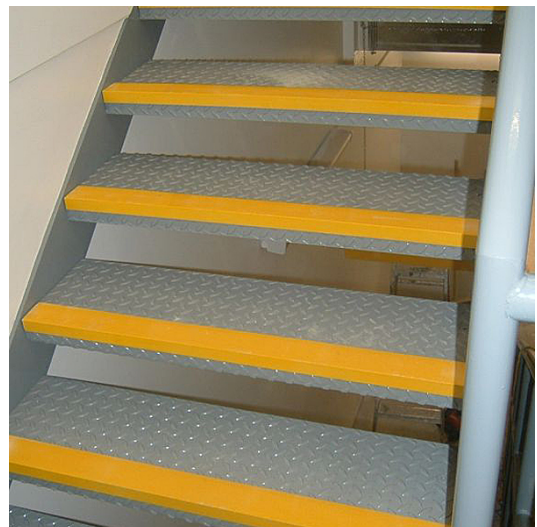
If mechanical fixings are not suitable for your particular application, a high strength gap filling adhesive can be used on its own but care should be taken to ensure Edge Grip Budget is completely adhered to the substrate and regular checks should be made on the material. Ideally, we would recommend the use of a structural adhesive (SP350 or 3M 5200 or similar) if you will not use mechanical fixings.

Application

1) Apply a 6mm bead (this may need to be increased depending on the substrate conditions) of the high strength gap filling adhesive around the periphery of the underside of the stair nosing approx. 15mm from the edges. If you are fixing your nosing to carpet or similar material - you can skip the adhesive section of application. The adhesive is best applied using a proper skeleton gun or at big applications using a pneumatic cartridge gun.

2) Immediately press the nosing firmly to the substrate to ensure adequate transfer of adhesive (depending on the size of the bead, this will elevate the nosing by approximately 1-1.5mm). A firm bond will be achieved in about one hour under normal circumstances and conditions.

3) Drill two holes on each side of the stair nosing, the first approximately 15mm in from each edge. For larger nosings, it may be necessary to have further fixing points in the center of the tread. Pre-drilling the holes before drilling into the substrate is recommended. Always use screws a little longer than the plug to obtain a good mechanical fixing.



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Applying over a Timber substrate (or similar materials)

- Step 1: Lay out all pieces of the Edge Grip material on the substrate upside down.
- Step 2: Apply the adhesive as stated above. Turn the material over and secure to the substrate, applying body weight to expel any air.
- Step 3: Mark Edge Grip where holes are to be drilled, using a 6mm masonry drill bit, drill through the Edge Grip only exposing the substrate.
- Step 4: Using a 3.85mm drill bit, drill through the stair tread as stated above (for hard wood, you may need to pilot hole).
- Step 5: Once all treads have been pre-drilled, using stainless steel screws (stainless steel Pozi head 4.2x32mm, supplied by us or similar), screw the material down and make the screw fixings flush with the top surface.

Applying over Steel Checker Plate (or similar materials)

- Step 1: Lay out all pieces of the Edge Grip material on the substrate upside down.
- Step 2: Apply the adhesive as stated above. Turn the material over and secure to the substrate, applying body weight to expel any air.
- Step 3: Using a 3.85mm drill bit, drill through the Edge Grip nosing and the steel checker plate.
- Step 4: Once all treads have been pre-drilled, using stainless steel screws (stainless steel Pozi head 4.2x32mm, supplied by us or similar), screw the material down and make the screw fixings flush with the top surface.

Applying over Concrete/Ceramic

- Step 1: Lay out all pieces of the Edge Grip material on the substrate upside down.
- Step 2: Apply the adhesive as stated above. Turn the material over and secure to the substrate, applying body weight to expel any air.
- Step 3: Using a 6mm masonry drill bit, drill through the Edge Grip nosing and into the concrete.
- Step 4: Push raw plugs into the 6mm drilled hole and tap to ensure that the drill plugs are flush with the substrate.
- Step 5: Once all treads have been pre-drilled, using stainless steel screws (stainless steel Pozi head 4.2x32mm, supplied by us or similar), screw the material down and make the screw fixings flush with the top surface.

Applying over Open Mesh

- Step 1: To avoid hitting a load bar of the open mesh, place the Edge grip nosing on the open mesh area, then from underneath, mark where you want the fixing to go.
- Step 2: Then using a 10mm drill bit, drill through the Edge Grip and ensure it is in the centre of the open mesh.
- Step 3: Once all treads have been pre-drilled, using 40mm dome and head bolts (supplied by us or similar) push them through the pre-drilled holes.
- Step 4: Using a 40mm diameter washer and a nylock nut (supplied by us or similar), tighten up from underneath.

