

SLIPGrip[®]

Heavy Duty Anti Slip GRP Stair Nosing



DESIGN

SUPPLY

FABRICATE

INSTALL



EdgeGrip® Heavy Duty Anti Slip GRP Stair Nosings are a long-lasting and highly durable fibreglass (GRP) anti slip stair nosing. Two grades are available for internal and external application - fine and coarse.

Our EdgeGrip® Heavy Duty Stair Nosings incorporate a unique ExtremeCore® ceramic grit measuring a tough 9 on the MOHs hardness scale (diamond is 10). This means they are suitable for extreme traffic conditions, and will last for years.

CHARACTERISTICS

- Resistant to swelling, stretching or warping over a wide range of temperatures or physical stress
- Lightweight and easy to install - drill down with mechanical fixings and you're good to go
- DDA (Disability Discrimination Act) and Building Regulations compliant
- Durable and tough - long lasting in areas of medium foot traffic
- Incorporates our ExtremeCore® ceramic grit for an extremely heavy duty stair nosing
- Resistant to impact and corrosion
- Fire retardant option
- Chemical resistant
- Chamfered edge to stop further trip hazard

TECHNICAL DATA

SUITABLE APPLICATIONS

- ✓ Hospitals
- ✓ Schools
- ✓ Sports stadiums
- ✓ Staircases with heavy foot traffic

SUITABLE SUBSTRATES

- ✓ Wood
- ✓ Concrete
- ✓ Metal
- ✓ Stone

Top finish:	ExtremeCore® ceramic grit
Standard lengths:	600mm 750mm 800mm 1000mm 1200mm 1500mm 2000mm 3000mm
Nosing profiles:	55mm x 55mm 70mm x 30mm
Stock colours:	Yellow White Black
Thickness:	3mm with grit
Service temperature:	-20°C to 80°C
Chemical resistance:	Made from ISO resin as standard
Tolerances (including cut):	+/- 3-4mm

SLIP RESISTANCE VALUES

Measured using the Pendulum test method (WF rubber slider) - certificate available on request.

Top Surface	Dry Reading	Wet Reading
ExtremeCore® grit	76	70

To ensure that the above slip resistance levels are maintained, the stair nosings should be kept clean.

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 - 65	Low
25 - 35	Moderate
25 & Below	High

CLEANING GUIDE & TIPS

Use of a stiff brush will usually be sufficient when cleaning EdgeGrip® Heavy Duty GRP Nosings to remove everyday dirt. For more stubborn contamination, 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, EdgeGrip® Heavy Duty GRP Nosings can be power washed on a low setting.

The security of the fixings/adhesive 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.

GENERAL ROUTINE MAINTENANCE

The security of the fixings/adhesive 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.

PERSONAL PROTECTION EQUIPMENT

It is recommended that the following Personal Protection Equipment is worn for installation of EdgeGrip® Heavy Duty GRP Nosings and further protective measures may be necessary but this will depend on the installation environment:

Bonding

- ✓ Eye Goggles
- ✓ Protective Gloves
- ✓ Safety Boots

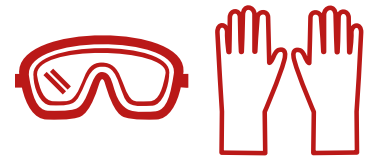


Cutting & Mechanical Fixing

- ✓ Eye Goggles
- ✓ Protective Gloves
- ✓ Safety Boots
- ✓ Ear Defenders
- ✓ Dust mask
(available from FibreGrid)

HANDLING & STORAGE

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



CUTTING

EdgeGrip® Anti Slip Stair Nosings 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 as 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® and EdgeGrip® products except SlipGrip® Precision. When you place your order, inform the technical advisor that you intend to install the product yourself and they will tailor the order to meet your requirements.

PREPARATION

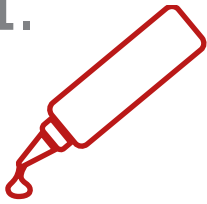
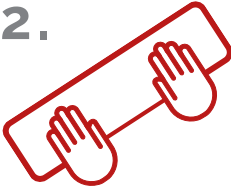

- ✓ Ensure that the area is clean, dry and free from loose and friable material.
- ✓ Any "dished" or damaged surface areas should be patch repaired to provide a reasonably flat and consistent surface. You can patch repair concrete with our SlipGrip® Step Edge Repair.
- ✓ Dry fit stair nosings to ensure they fit freely and that they sit flat down on the surface. If required, EdgeGrip® Stair Nosings can be trimmed on site to suit, ideally using a skill saw with a 4mm diamond blade or an angle grinder with a 1mm blade.
- ✓ Please ensure that goggles and gloves are worn at all times when any form of cutting is involved.



These 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.

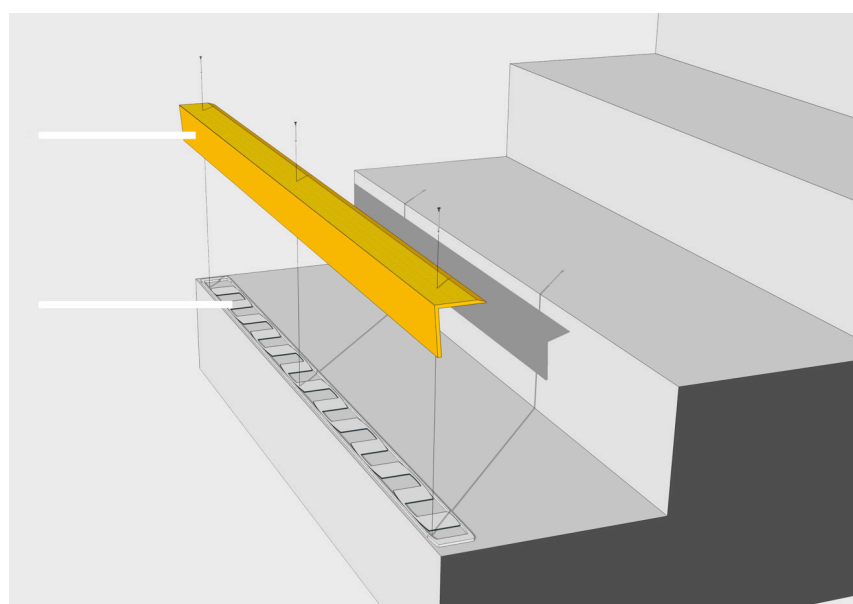
APPLICATION

The following assumes you are using the double fixing method. If not, simply follow the same instructions but without the mechanical fixing element.

<p>1.</p> 	<p>Apply an approx. 6mm bead (this may need to be increased dependant on the substrate conditions) of the highstrength gap filling adhesive around the periphery of the underside of the EdgeGrip® Heavy Duty Anti Slip GRP Stair Nosings approx. 25mm in from the edges. Then, starting from the bottom 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 (similar to the diagram below).</p>
<p>2.</p> 	<p>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 sheet by approximately 1-1.5mm). A firm bond will be achieved in about one hour under normal circumstances and conditions. Secure with mechanical fixings, as below.</p>
<p>3.</p> 	<p>Drill two holes on each side of the EdgeGrip® Heavy Duty Anti Slip GRP Stair Nosings on the top surface in the centre (grit surface), approximately 50mm in from the side, then approximately every 400-500mm. Dependant on the substrate it may be necessary to increase or decrease this spacing.</p>

EdgeGrip® Nosing

Adhesive
(applied to the nosing,
not substrate as shown)



APPLYING TO TIMBER (OR SIMILAR)

1. Lay out all pieces of EdgeGrip® Heavy Duty Stair Nosings on the substrate upside down.
2. Apply the adhesive as stated above. Turn material over and secure to the substrate, applying body weight to expel any air.
3. Mark the nosing where holes are to be drilled. Using a 6mm masonry drill bit, drill through the nosing only exposing the substrate.
4. Using a 3.85mm drill bit, drill through the EdgeGrip Nosing and the timber substrate (for hard wood, you may need to pilot hole).
5. Once all nosings have been pre-drilled, using stainless steel screws (stainless steel Pozi head 32mm x 4.2mm screws, supplied by us or similar), screw the material down and aim to make the screw fixings flush with the top surface.

APPLYING OVER STEEL CHECKER PLATE (OR SIMILAR)

1. Lay out all pieces of EdgeGrip Heavy Duty Stair Nosings on the substrate upside down.
2. Apply the adhesive as stated above. Turn material over and secure to the substrate, applying body weight to expel any air.
3. Using a 3.85mm drill bit, drill through the EdgeGrip Nosing and steel checker plate.
4. Once all nosings have been pre-drilled, using stainless steel screws (stainless steel Pozi head 32mm x 4.2mm screws, supplied by us or similar), screw the material down and aim to make the screw fixings flush with the top surface.

OVER OPEN MESH GRATING

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

APPLYING OVER CONCRETE / CERAMIC

1. Lay out all pieces of EdgeGrip® Heavy Duty Stair Nosings on the substrate upside down.
2. Apply the adhesive as stated above. Turn material over and secure to the substrate, applying body weight to expel any air.
3. Using a 6mm masonry drill bit, drill through the nosing and into the concrete.
4. Push raw plugs into the 6mm drilled hole and tap to ensure that the raw plugs are flush with the substrate.
5. Once all nosings have been pre-drilled, using stainless steel screws (stainless steel Pozi head 32mm x 4.2mm screws, supplied by us or similar), screw the material down and aim to make the screw fixings flush with the top surface.



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