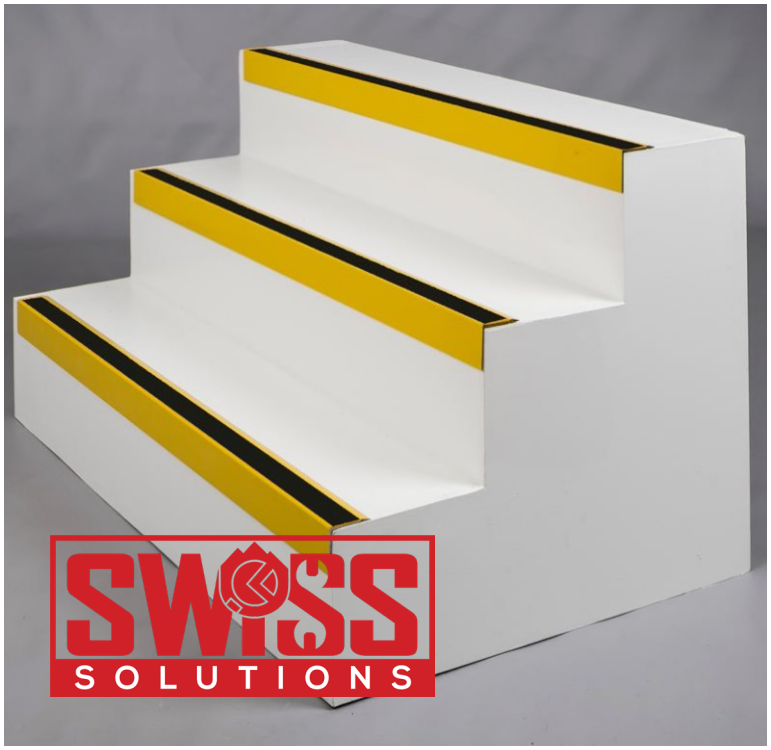
Swiss Solutions Edge Grip Aluminium

Creating a safer environment

Product description

Edge Grip Stair Nosings Aluminium
The Swiss Solutions Edge Grip Aluminium are a stylish, powder coated aluminium nosing suitable for more subtile anti slip solutions.
Our aluminium stair nosings are more subtle alternative to more industrial looking GRP stair nosings, and are ideal for internal steps and stair cases whre aestethics are important.
We offer GRP inserts in the colours yellow, silver, red, black and blue.

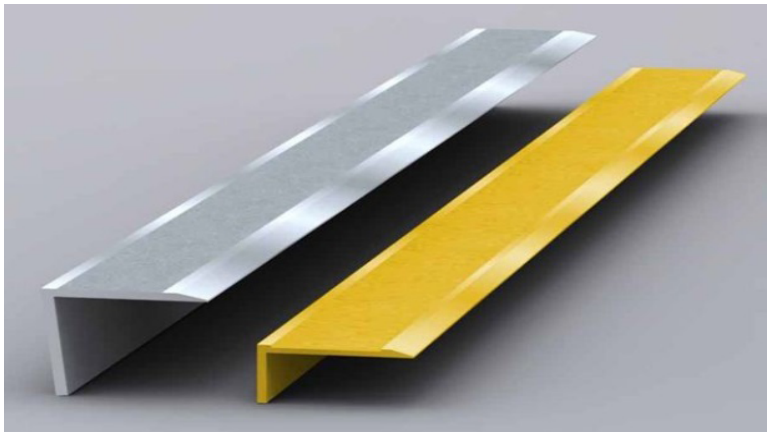


Suitable substrates

Wood, concrete, stone and metal.

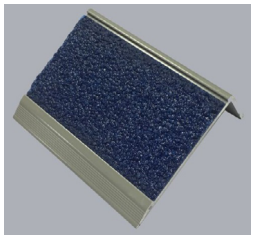
Suitable applications

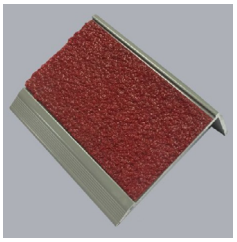
High traffic areas, spiral staircases, fire escapes, most staircases, external stairs (GRP), internal stairs, platform edges and kerb edges (GRP).

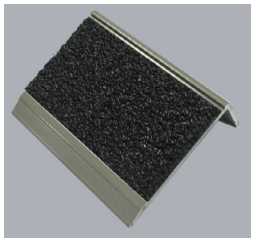


Product characteristics

Meets building regulations. Aids with DDA legislation. Slip resistant top surface. Impact resistant. Fire retardant option. Corrosion resistant. Lightweight. Choice of colours. Choice of sizes. Tough and durable. Quick installation. Manufactured to ISO 9001. Easy to install. Light reflectant value of 81 (yellow).







Repair Management Nederland B.V.
More management less firefighting

Distribution:
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Techical data

Standard lengths for stair nosings:	600mm 750mm 800mm 1000mm 1200mm 1500mm 2000mm 3000mm	Available nosing colours:	Silver (LVR-33), Yellow (LVR-81) = light reflectance value
		Available insert colours:	Yellow, silver, red, black, blue with a self-adhesive back to glue it to the aluminium nosing
		Top finish:	Anti slip insert
Stair nosings profile:	55mm x 55mm or 70mm x 30mm	Load capabilities:	Credited with no load bearing strength (requires adequate substrate)
Tolerances (including cut):	+/- 3-4mm		
Thickness:	3mm	Other info:	Aluminium made via extrusion method. GRP via pultrusion method
Service temperature:	-20°C to 80°C		
General use:	Standard pedestrain traffic		

Slip resistance test results

Slip Grip Aluminium 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"	62	55	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 Aluminium to remove every day dirt.
For more stubborn items, it is recommended that a mild detergent such as a mild degreaser is used and than 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 can be power washed on a low setting. If Edge Grip Aluminium 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 appropiate Personal Protection Equipment is to be worn. Store the tair treads flat and upside down.

Personal protection equipment

It is recommended that the following Personal Protection Equipment is worn for installation of the Edge Grip Aluminium and further protective measures may be necessary but this wil 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 Aluminium can be cut to size using and angle grinder with diamond blade. Cutting should be carried out externally or where there is dust extraction or suitable ventilation and appropriate protective equipment s described should be worn. A jigsaw can be used for trimming or for occasions where only small amount of cutting is required. Use a laminating jig saw cutting blade. Keep in mind that cutting damage the powder coating at the cut edges. If possible don't cut the nosings.

Preparation

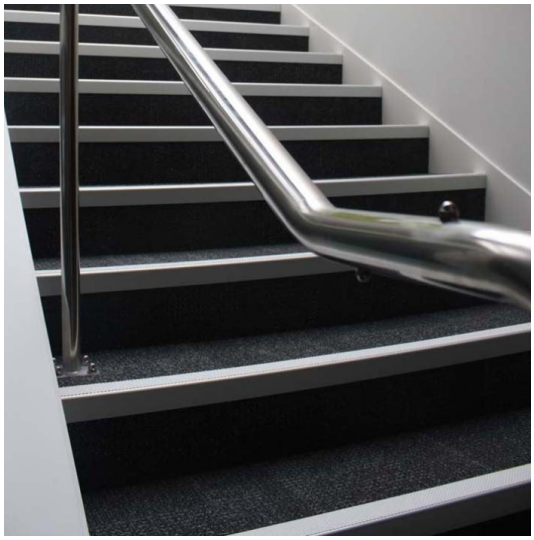
Ensure that the area is clean, dry and free of loose and friable material. Any "dished" or damaged surface areas should be patch repaired to provide a reasonably flat and consistent surface.
Dry fit all stair nosings to ensure they fit freely and that they sit flat down on the surface. If required, Edge Grip can be trimmed on site to suit, ideally using a small grinder with diamond blade or a skill saw with special blade. (See note above)
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 Aluminium stair nosings. This consist 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 Aluminium 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 using mecahnical fixings.

Application

1) Apply an 6mm bead (this may need to be increased dependant 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 achived 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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