

GILTGRIP Stair Nosing by Gradus

BPIR Declaration

Version: V1.01122023

Designated building product: Class 2

Declaration

Gilt Edge Industries has provided this declaration to satisfy the provisions of Schedule 1(d) of the Building (Building Product Information Requirements) Regulations 2022.

Product/system

Name	GILTGRIP Stair Nosings by Gradus
Identifier	Stair Nosings

Description

GILTGRIP Stair Nosings and Stairtile by Gradus. Compliance to AS/NZ 4586 Slip Standard. Suitable for use in dry , wet and slopping surfaces. Hard wearing and attractive stair edging comprising satin silver anodised aluminium channels with slip resistant inserts. GILTGRIP Stair Nosings available:

- 24 different profiles - review brochure for profiles.
 - 9 nonslip insert colours - - review brochure / TDS for colours.
 - Made to measure.
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Scope of use

For both Gradus Standard and XT Range exceeds ALL minimum standards wet and dry for specified slip resistance in accordance with ASNZ 4586 Slip Resistance and BIA D1/AS1.

Gradus Stair Edging Inserts both standard and XT are designed to provide a slip resistant and colour contrasting edge to step edges. The insert acts as a slip resistant surface by providing frictional resistance against differing types of footwear sole material, therefore helping to reduce the risk of slip when ascending or

descending a stairway. The material used in the production of this insert is a PVC compound with natural minerals as an additive. Gradus Inserts are also resistant to bacterial and fungal growth and therefore, when properly maintained, will retain their appearance.

Conditions of use

Mechanical and Adhesive Installation of GRADUS Stairnosings:

1. Obtain the profile and insert supplied. The double sided tape has already been fitted into the profile and the insert pre cut to length.
2. Two fixing holes have been pre drilled. Mark the positions out on the step and drill into substrate: a) For Concrete use a 6mm Concrete Drill bit and insert rawl plugs (6mm) as supplied. b) For Timber use a drill bit of smaller diameter than screws supplied (8 x1) c) For Steel - rivet as specified.
3. Apply the adhesive (MS Safe Fix 4 30g m) as supplied to the rear of the profile ensuring a full spread of adhesive is applied to the concrete or timber substrate. A notched spatula or similar is recommended. Note it is imperative for a secure bond the substrate surface is level and clean (free of any surface contamination) prior to application and sufficient adhesive is applied to bond both surfaces. In excessively porous floors priming is recommended. 4.
4. Adhesive application rates as a guideline are as follows: CD1/2/3/4 - 9 meters per MS Safe fix 430gm Cartridge SD1/SC1/RPI/SM1/LF1/LF3 - 11 meters per MS Safe fix 430gm Cartridge SD2/SC2/SM2/LF2 - 11 meters per MS Safe fix 430gm Cartridge
5. Place the profile (without insert fitted) and the wet adhesive onto the stair edge and secure the profile with the screws supplied into the pre drilled holes (refer Point 2) If screws are not being fitted to the adhesive will require a minimum of 16 hours (@20C) to cure sufficiently to allow safe use of the steps by foot traffic.
6. Peel off the backing tape and carefully feed the insert into the recess, using your fingers, to ensure the insert is fully located correctly.
7. Using a hand roller to apply pressure to the full length of the insert and channel.

Relevant building code clauses

B2 Durability – B2.3.1 (c)

C3 Fire affecting areas beyond the fire source – C3.4 (b)

D1 Access Routes – D1.3.3 (d)

E3 Internal moisture – E3.3.3, E3.3.5, E3.3.6

F2 Hazardous building materials – F2.3.1

Contributions to compliance

- Building Regulations 1992 - Clause B2.3.1-Durability Gradus Stair Nosing, with only normal maintenance, will continue to satisfy the performance requirements of Building Regulations for 5 years.
- Building Regulations 1992 - Clause D1 Access Routes. (d) have adequate slip-resistant walking surfaces under all conditions of normal use.

Supporting documentation

The following additional documentation supports the above statements:

Gradus Technical Data Sheet	Version 2019	
Gradus Installation Manual	Version March 2021	
Stair Nosings Brochure		

For further information supporting GILTGRIP Stair Nosings by Gradus claims refer to our website.

Contact details

Manufacture location	Overseas
Legal and trading name of manufacturer	Gradus Limited
Legal and trading name of importer	Gilt Edge Industries

Importer address for service	110 Antigua Street Addington - Christchurch
Importer website	www.giltedge.co.nz
Importer NZBN	9429031908689
Importer email	help@giltedge.co.nz
Importer phone number	0800445833

BPIR Ready selections

Category: Floor coverings

	Yes	No
Use on access routes	x	
Use in areas with floor surface fire obligations	x	
Use in wet areas	x	
Use in food preparation areas		x
Part of a system for acoustic performance		x

Building code performance clauses

B2 Durability

B2.3.1

Building elements must, with only normal maintenance, continue to satisfy the performance requirements of this code for the lesser of the *specified intended life* of the *building*, if stated, or:

- (c) 5 years if: the building elements (including services, linings, renewable protective coatings, and fixtures) are easy to access and replace, and failure of those building elements to comply with the building code would be easily detected during normal use of the building.

C3 Fire affecting areas beyond the fire source

C3.4

Surface Linings

- (b) floor surface materials in the following areas of buildings must meet the performance criteria specified below: Area of building Minimum critical radius flux when tested to ISO 9239-1: 2010 Buildings not protected with an automatic fire sprinkler system Buildings protected with an automatic fire sprinkler system Sleeping areas and exitways in buildings where care or detention is provided 4.5 kW/m² 2.2 kW/m² Exitways in all other buildings 2.2 kW/m² 2.2 kW/m² Firecells accommodating more than 50 persons 2.2 kW/m² 1.2 kW/m² All other occupied spaces except household units 1.2 kW/m² 1.2 kW/m²

D1 Access Routes

D1.3.3

Access routes shall:

- (d) have adequate slip-resistant walking surfaces under all conditions of normal use

E3 Internal moisture

E3.3.3

Floor surfaces of any space containing *sanitary fixtures* or *sanitary appliances* must be impervious and easily cleaned.

E3.3.5

Surfaces of *building elements* likely to be splashed or become contaminated in the course of the *intended use* of the building, must be *impervious* and easily cleaned.

E3.3.6

Surfaces of *building elements* likely to be splashed must be constructed in a way that prevents water splash from penetrating behind linings or into *concealed spaces*.

F2 Hazardous building materials

F2.3.1

The quantities of gas, liquid, radiation or solid particles emitted by materials used in the *construction* of *buildings*, shall not give rise to harmful concentrations at the surface of the material where the material is exposed, or in the atmosphere of any space.