

Anti-Slip GRP Flooring

Facility Flooring



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A close-up photograph of a staircase. The steps are covered in a textured, granular material. The top step is a bright yellow color, while the steps below it are a dark green color. The texture is highly detailed, showing individual granules. A dark blue rectangular box is overlaid on the left side of the image, containing white text.

GRP ANTI-SLIP FLOORING

Slip and trips are the most common cause of injury at work and in public areas. On average they cause nearly half of all reported major injuries.

Facility Flooring's highly durable Glass Reinforced Plastic (GRP) Anti-Slip products can be retrofitted onto existing steps or walkways to help companies and local authorities prevent costly slips & trips, whilst meeting Disability Discrimination Act (DDA) legislation and BS8300 Building Regulations.

Why Use GRP Anti-Slip Flooring?

- HIGH SLIP RESISTANCE
- MAINTENANCE FREE
- CORROSION RESISTANT
- EASY INSTALLATION
- LOW LIFE CYCLE COSTS
- DDA COMPLIANT
- BETTER HEALTH & SAFETY



HIGH FOOTFALL APPLICATIONS

GRP Plus+

Facility Flooring's GRP Plus+ range has been designed for high footfall applications and harsh chemical environments since our embedded grit technology provides a hardwearing and extreme slip resistant finish. The GRP Plus+ range will not chip or wear after time, thus presenting a 50 year design life.



HIGH FOOTFALL & CHEMICAL APPLICATIONS INCLUDE:

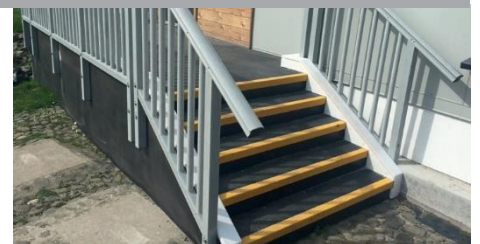
[Railway Stations](#), [Footbridge/Pedestrian Bridge](#), [Entrance Steps](#), [Wastewater Treatment Plants](#), [Chemical & Pharmaceutical Plants](#), [Oil & Gas Platforms](#).

The GRP Plus+ range can be custom made to client specification, including bespoke sizes, colours, grade of grit surface (fine, medium or heavy duty), or chemical resin (general purpose, chemical resistant, or fire resistant).

LOW FOOTFALL APPLICATIONS

GRP

Facility Flooring's GRP range is a cost effective solution for providing slip resistant steps for low footfall applications. The GRP Stair Tread Covers & Stair Nosings are produced using a pultrusion process, incorporating a standard medium grade anti-slip grit and chemical resin.



LOW FOOTFALL APPLICATIONS INCLUDE:

[Commercial Building Walkways/Steps](#), [Office Stairways](#), [Fire Escape Steps](#)

High Footfall Applications

GRP Plus+ Stair Tread Covers

Facility Flooring`s GRP Plus+ Stair Tread Covers are the perfect solution for creating a high slip resistant and safe access stairway, even in wet, oily, or icy conditions. The stair tread covers are quickly and easily installed by simply retrofitting onto existing concrete, steel or timber steps.

GRP Plus+ Stair Tread Covers meet Disability Discrimination Act, 2004 (DDA) legislation and BS8300 Building Regulations.



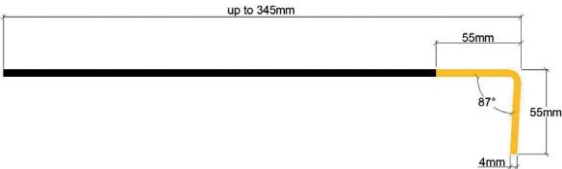
EMBEDDED GRIT TECHNOLOGY

Standard

Length (mm)	Width (mm)	Thickness (mm)	Nosing (mm)	Colour	Embedded Grit Surface	Type of Resin
1000	280/305	4	55x55	Black with Yellow/White Nosing	Medium	General Purpose
2000	280/305	4	55x55	Black with Yellow/White	Medium	General Purpose

Bespoke Options

Length (mm)	Width (mm)	Thickness (mm)	Nosing (mm)	Colour	Embedded Grit Surface	Type of Resin	Glow in the Dark
Up to 4000	Up to 345	4+	Up to 70x70	Any 2 no. RAL or BS codes	Fine, Medium, Heavy Duty	General Purpose, Chemical Resistant, Fire Resistant (Class 0, 1 & 2 under BS476)	Yellow photo-luminescent coating for nosings – ideal for dimly lit stairways.



GRP Plus+ Landing Covers

The GRP Plus+ Landing Covers are used in conjunction with the GRP Plus+ Stair Tread Covers to cover the landing area of a staircase. The landing cover extends to a depth of 1200mm and includes a high visibility nosing in order to provide a complete one piece cover for stair landings.

On longer landings, the landing cover can be used in conjunction with the GRP Plus+ Flat Plate.

GRP Plus+ Landing Covers meet Disability Discrimination Act, 2004 (DDA) legislation and BS8300 Building Regulations.

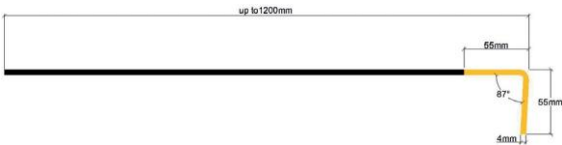


EMBEDDED GRIT TECHNOLOGY

Length (mm)	Width (mm)	Thickness (mm)	Nosing (mm)	Colour	Embedded Grit Surface	Type of Resin
1200	1200	4	55 x 55	Black with Yellow/White Nosing	Medium	General Purpose

Bespoke Options

Length (mm)	Width (mm)	Thickness (mm)	Nosing (mm)	Colour	Embedded Grit Surface	Type of Resin	Glow in the Dark
Up to 2400	Up to 1200	4 +	Up to 70x70	Any 2 no. RAL or BS codes	Fine, Medium, Heavy Duty	General Purpose, Chemical Resistant, Fire Resistant (Class 0, 1 & 2 under BS476)	Yellow photo-luminescent coating for nosings – ideal for dimly lit stairways.



GRP Plus+ Stair Nosings

Facility Flooring's GRP Plus+ Stair Nosings are designed to create a non-slip high visibility edge for steps. The GRP Plus+ Stair Nosings are 4mm thick and can include an optional chamfered back edge.

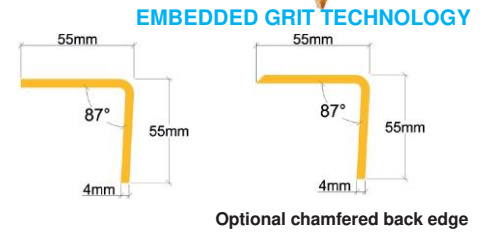
The stair nosings are quickly & easily installed by simply retrofitting onto the edge of existing concrete, steel or timber steps.

GRP Plus+ Stair Nosings meet Disability Discrimination Act, 2004 (DDA) legislation and BS8300 Building Regulations.



Standard

Length (mm)	Nosing (mm)	Thickness (mm)	Colour	Embedded Grit Surface	Type of Resin
1000	55x55	4	Black with Yellow/White Nosing	Medium	General Purpose
2000	55x55	4	Black with Yellow/White	Medium	General Purpose



Bespoke Options

Length (mm)	Nosing (mm)	Thickness (mm)	Colour	Embedded Grit Surface	Type of Resin	Glow in the Dark
Up to 4000	Up to 70x70	3-4	Any RAL or BS code	Fine, Medium, Heavy Duty	General Purpose, Chemical Resistant, Fire Resistant (Class 0, 1 & 2 under BS476)	Yellow photo-luminescent coating for nosings – ideal for dimly lit stairways.

GRP Plus+ Plate

The GRP Plus+ Plate is a 4mm thick solid gritted plate system that can be retrofitted onto existing structures such as walkways, bridges, ramps, and factory floors to provide a high slip resistant and safe pedestrian walking area.



Standard

Length (mm)	Width (mm)	Thickness (mm)	Colour	Embedded Grit Surface	Type of Resin
1000	1000	4	Black/Yellow/Grey	Medium	General Purpose
2000	1000	4	Black/Yellow/Grey	Medium	General Purpose

EMBEDDED GRIT TECHNOLOGY

Length (mm)	Width (mm)	Thickness (mm)	Colour	Embedded Grit Surface	Type of Resin
Up to 4000	Up to 1500	1.5 +	Any RAL or BS code	Fine, Medium, Heavy Duty	General Purpose, Chemical Resistant, Fire Resistant (Class 0, 1 & 2 under BS476)

High Footfall Applications

GRP Plus+ Ladder Rung Covers

Facility Flooring`s GRP Plus+ Ladder Rung Covers vastly improve health & safety when climbing ladders. The embedded anti-slip grit surface of the cover significantly increases friction factor, whilst the ladder rung cover increases the surface area for foot contact, collectively reducing the risk of slips. The use of GRP Plus+ Ladder Rung Covers is particularly useful in outdoor environments where ladders are subject to rainfall and frost, or in applications where oil or chemicals are heavily used.

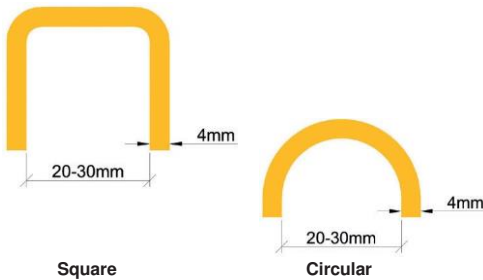
The GRP Plus+ Ladder Rung Covers are available in circular or square shaped profiles.

Standard

Internal Size (mm)	Shape	Thickness (mm)	Colour	Embedded Grit Surface	Type of Resin
20	Circular/ Square	4	Yellow	Medium	General Purpose
25	Circular/ Square	4	Yellow	Medium	General Purpose
30	Circular/ Square	4	Yellow	Medium	General Purpose



EMBEDDED GRIT TECHNOLOGY



Bespoke Options

Internal Size (mm)	Thickness (mm)	Colour	Embedded Grit Surface	Type of Resin
15+	3+	Any RAL or BS code	Fine, Medium, Heavy Duty	General Purpose, Chemical Resistant, Fire Resistant (Class 0, 1 & 2 under BS476)

GRP Plus+ Tactile Paving

Facility Flooring`s GRP Plus+ tactile paving is designed to warn pedestrians who are blind or visually impaired of changes in elevations, and is used at pedestrian crossing points, railway platform edges, steps, level crossings, and footpaths. The grooves in the tactile paving further provide pedestrians with an underfoot grip at crossings. Facility Flooring`s tactile paving is available in blister or corduroy finishes made from a light duty Stone & Resin system or a heavy duty gritted GRP system. Our Stone & Resin tactile paving is available in a range of colours including colour matched adhesive.



Stone & Resin Tactile Paving

Surface	Standard Colour (other colours available)	Size (mm)
Corduroy	Buff & Red	400x400
Blister	Buff & Red	400x400
Blister Highway	Buff & Red	400x400

GRP (gritted) Tactile Paving

EMBEDDED GRIT TECHNOLOGY

Surface	Standard Colour (other colours available)	Size (mm)
Corduroy	Buff	400x400
Blister	Buff	400x400

Low Footfall Applications

GRP Stair Tread Covers

Facility Flooring’s GRP Stair Tread Covers are a non-slip cost effective alternative to the GRP Plus+ range, and are designed for low footfall applications. They can be easily installed by retrofitting onto existing concrete, steel or timber steps. The GRP Stair Tread Covers meet Disability Discrimination Act, 2004 (DDA) legislation and BS8300 Building Regulations.

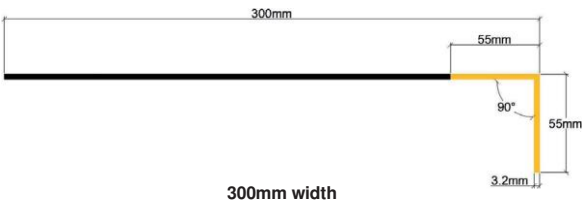
The GRP Stair Tread Covers are manufactured in 3660mm lengths and can be cut to size.



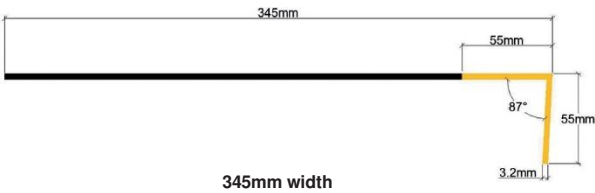
Specification

Width (mm)	Length (mm)	Thickness (mm)	Nosing (mm)	Colour	Grit Surface	Type of Resin
300	Up to 3660	3.2	55x55	Black with Yellow/White Nosing	Medium	Chemical Resistant
345	Up to 3660	3.2	55x55	Black with Yellow/White Nosing	Medium	Chemical Resistant

Bespoke options are not available with the GRP range



300mm width



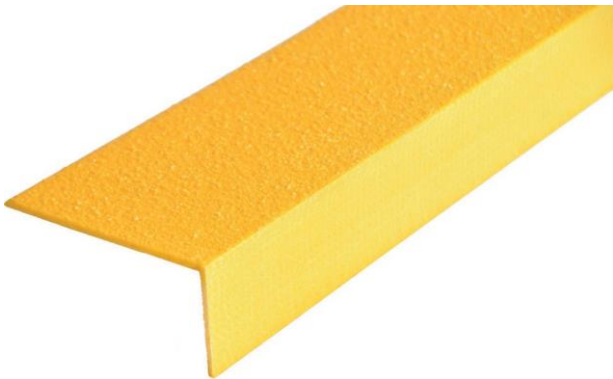
345mm width

GRP Stair Nosings

The GRP Stair Nosings are manufactured using a fibreglass pultrusion process, and are designed for low footfall applications. They are designed to provide a high visibility anti-slip edging for stairs, whilst their chamfered back edge eliminates potential trip hazards.

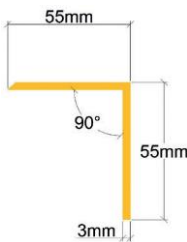
The stair nosings are easily installed by simply retrofitting onto the nose of existing concrete, steel or timber steps. The GRP Stair Nosings meet Disability Discrimination Act, 2004 (DDA) legislation and BS8300 Building Regulations.

The GRP Stair Nosings are a cost effective alternative to the GRP Plus+ range. They are produced in 3660mm lengths and can be cut to size.

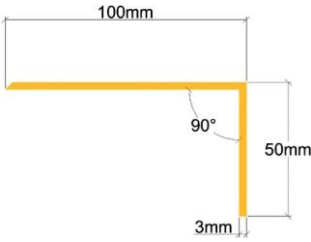


Specification

Nosing (mm)	Length (mm)	Thickness (mm)	Colour	Embedded Grit Surface	Type of Resin
55x55	Up to 3660	3	Yellow/White	Medium	Chemical Resistant
100x50	Up to 3660	3	Yellow/White	Medium	Chemical Resistant



55x55mm Nosing



100x50mm Nosing

Bespoke options are not available with the GRP range

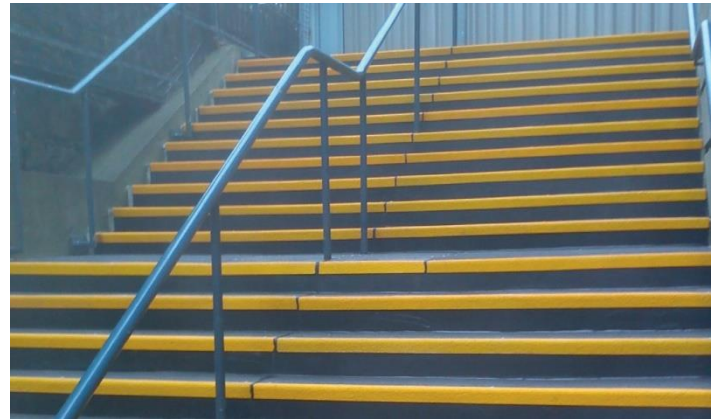
Pendulum Slip Test Data

The HSE Pendulum slip testing concluded that Facility Flooring's GRP Plus+ & GRP anti-slip products achieved the highest slip resistant classification of '**Extremely Low**' pedestrian slip risk.

Pendulum Test Value (PTV)	Slip Risk
0 - 24	High
25 - 35	Moderate
36 - 64	Low
65+	Extremely Low

Pendulum Test Results

GRP Anti-Slip Product	Coefficient of Friction (CoF)	
	Dry	Wet
GRP ULTRA	97	79
GRP	97	76



Installation of GRP Anti-Slip Products



Adhesive

High quality polyurethane or MS polymer adhesive sealant for bonding



Fixing to Concrete

Stainless Steel
Hammer Fixings



Fixing to Steel

Stainless Steel Rivets /
Aluminium Peel Back Rivets



Fixing to Timber

Stainless Steel Wafer Head
Wood Screws

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