



NONSLIPSHOP.co.uk

Preventing Slips, Trips, and Falls.

Anti-Slip GRP Stair Treads

Product Guide and Technical Data Sheet



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Product Summary

Product Overview

Anti-Slip Stair Treads cover new or existing steps providing a slip-resistant surface finish which prevents slips, trips, and falls.

They are highly effective for improving safety on external stairs and emergency access stairwells within commercial, industrial, and residential environments.

Designed for long-term use, they are virtually maintenance free. The stair tread profile is quick and easy to install onto any type of step using screw fixings / adhesive.

GRP Stair Treads will last for years, expect high performance even in the toughest of conditions. The hard-wearing GRP (Glass-Reinforced-Plastic) material is weatherproof, rot-resistant and UV stable.

Safety Benefits

GRP Stair Treads enhance grip and traction underfoot. They provide a reliable anti-slip surface for all year round use, even in wet, oily, and cold conditions.

They feature a contrasting stair nosing to present a distinct visual guide along the step's edge, enhancing the step edge's visibility for walkers.

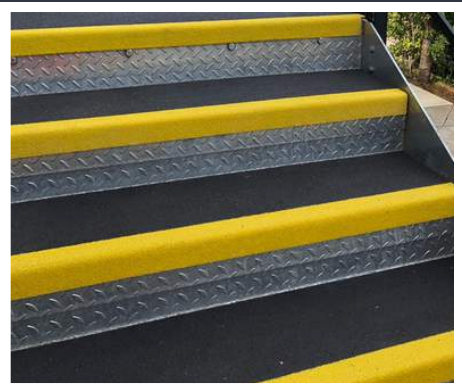
Additionally, the versatile profile features a bevelled leading edge trim to ensure there are no trip hazards.

Suitable Environments

GRP Stair Tread's are compatible with all common surfaces - such as concrete, metal, and timber substrates.

- **Suitable Environments:** External or Internal Applications. Recommended for Public, Industrial, Commercial & Residential Environments. NOTE: We recommend using our barefoot grit for internal areas.
- **Typical Applications:** Access Stairwells and External Steps such as: Fire Escapes, Entrances, Public Staircases and Access Steps.

Fire Escape - Warehouse Project



Railway Station - Platform Overbridge



Anfield Stadium - New Main Stand



Product Sizing Options

Standard Anti-Slip Stair Treads are 90 degrees. We can supply alternative stair edging profiles on request including rake or round nosed profiles.

Profile Length Options

Select from your choice of length between 300 mm and 3 metres.

For steps over 1.5m in length, we recommend dividing these into two or more pieces to save on delivery costs. If you have a larger step than 3 metres, the modular profiles will join up together.

Going (Depth) & Riser (Height) Options

Select your choice of going size between 90mm to 380mm.

Note: If you have requirements less than 90mm you require GRP Stair Nosing. If you have requirements greater than 380mm, you require a GRP Stair Landing.

Select from your choice of riser size between 30 mm and 90 mm.

Note: Most customers choose the minimum compliant size of 55mm.

- The **going** is the horizontal section, which covers the distance from front to back of the step.
- The **riser** is the vertical section, which covers the area across the front of the step that you wish to cover.

Thickness Options

Select from your choice of standard thicknesses - 4mm or 6mm.

We recommend **4mm thicknesses** for standard foot-traffic (such as fire escapes).

6mm thicknesses are ideal for frequently used or high-foot-traffic steps (such as entrances or public stairs within railway stations).

Grit Duty Sizes

- **Fine Grit** is suitable for internal areas, or for environments where pedestrians may not be wearing appropriate footwear.
- **Standard Coarse Grit** is our most popular choice, which offers our standard slip-resistant surface finish.
- **Extra-Coarse Grit** provides the highest level of slip resistance, and extra protection against wear. We recommend this for industrial environments.

Colour Options

Your choice of RAL colour - For both the going (main section) and rise (nosing section).

- Yellow (RAL 1016)
- Black (RAL 9004)
- White (RAL 9016)
- Light Grey (RAL 7047)
- Dark Grey (RAL 7043)
- Forest Green (RAL 6011)
- Blue (RAL 5002)
- Red (RAL 3001)
- Brown (RAL 8002)
- Bespoke (Please Contact)

Popular Colour Choice Options - (Shown with Yellow Nosing).



Product Installation

Fixings and Adhesives

Anti-Slip Stair Treads are quick and easy to install, with minimal downtime requirements.

We recommend using a combination of screw fixings and adhesive products for the most secure installation process.

Use **Stainless Steel Screw Fixings** where suitable, and we can pre-drill your materials for a speedy installation on-site.

We offer three types of fast-curing, structural adhesive.

- **For Small Projects (Single Treads) - Single Tube Adhesive**
- **For Small to Medium Projects - Two-Component Adhesive Tubes**
- **For Large Projects - Two-Component Adhesive Tubs**

Typical Installation Method

- **Step One: Surface Preparation** - Firstly, make sure that the surface is fully cleaned, dry and prepared, therefore being ready to have the material installed on top of it. Make sure that the product is exactly the correct size for the surface you, the fitter, are installing on to.
- **Step Two: Adhesive Preparation & Application** - Now prepare your adhesive (Two-part tubs or Twin tubes). Apply this adhesive on the appropriate area.
- **Step Three: Product Application** - Place your Anti-Slip material down, making sure it is in the correct position.
- **Step Four: Fixings Preparation & Application** - Prepare your mechanical fixings – may need a raw plug or holes drilling into the ground. Apply your mechanical fixings.
- **Step Five: Finalisation:** Leave the adhesive to dry. Once dry, use the product freely.

Installation Service

We offer a wide variety of services to suit our clients requirements. Manufacturing all of our products under one roof allows us to offer bespoke design, manufacture and installation services throughout the United Kingdom and Europe.

Technical Data

Purpose

Anti-Slip Stair Tread's provide a slip-resistant surface finish and a high-visual guidance sight line across the front of steps.

The 90 degree profile is designed for full step coverage.

Product Material

GRP (Glass Reinforced Plastic) Fibreglass Stair Tread Profile. Featuring a quartz-grit surface which implemented using a protective resin.

- **Product Lifetime:** Extensive wear and slip-testing procedures recommend the product has an industry-leading lifespan of 15 years.
- **Product Operating Temperature:** -20 to 80 oC.

Slip Resistance & Wear Testing Report

The product has been slip-tested on level or inclined surfaces, under both wet and dry circumstances.

Additionally, an accelerated wear test was carried out on the product and the testing repeated in an attempt to assess the likely performance of the product following the most rigorous in-service conditions it is likely to encounter in normal use. These tests were successful leading to a recommended lifespan of a minimum of 15 years.

The slip resistance tests were successful and confirmed the surface would class as an enhanced non-slip surface.

This will significantly enhance grip and traction underfoot, preventing slips, trips, and falls.

The official test results are as follows:

- **Slip Testing Results (PTV) - Dry - (BS7976.2) Result = 78** (Extremely Low Potential for Slip).
- **Slip Testing Results (PTV) - Wet - (BS7976.2) Result = 68** (Extremely Low Potential for Slip).

Pendulum (PTV) Slip-Test Reports

Potential for Slip Value Scale - Pendulum Tester + Four "S" Rubber

Potential for Slip	High	Moderate	Low
Pendulum Test Value (PTV)	0-24	25-35	36+

Pendulum Slip Test Results - PTV

Test	Floor Type	Slider Rubber Type	Mean PTV – wet (CoF)	Mean PTV – dry (CoF)
1	"Anti-Slip Material"	Four "S"	68 (0.68)	78 (0.78)
2	"Anti-Slip Material" after accelerated wear regime	Four "S"	51 (0.51)	67 (0.67)

Assessment of Slip Potential (UKSLG) - Based on PTV

Test	Comments on surface	Rubber slider type	Potential for slip PTV – Wet	Potential for slip PTV – Dry
1	"Anti-Slip Material"	Four "S"	Low	Low
2	"Anti-Slip Material" after accelerated wear regime	Four "S"	Low	Low

Summary of Slip Requirements and Classifications - BS 4592-0:2005

BS 4592 Classification	Minimum Coefficient of Friction		
Unsuitable for wet conditions	Horizontal surface	Inclined surface- 1 in 12 (4.8°)	Inclined surface- 1 in 15 (3.8°)
Slip resistant flooring	0.4 to less than 0.6	0.48 to less than 0.68	0.47 to less than 0.67
Enhanced slip resistant flooring	0.6 or more	0.68 or more	0.67 or more

Product Maintenance

Maintenance

GRP Stair Treads require little maintenance. Keep the area clean and clutter-free regularly to maintain its condition.

Fixings and adhesives should be compatible for use with GRP materials or may cause damage to the material overtime. Fixings should not be loose, and free of rust and corrosion to avoid potential accidents if a breakage occurs.

Inspections of the product should take place on occasion to ensure the profile is clean and secure.

Cleaning Practice

Clean with hot soapy water and use a fresh sponge or mop, taking care to remove any stubborn dirt on a frequent basis. Take care to remove any stubborn dirt to ensure the profile can make unimpeded contact underfoot.

If there is a spill, clean it right away following our safety instructions and your environmental policy. We don't recommend any use of pressure washer, or any form of third-party salts, grits, or chemical detergents.



Placing an Order

Placing an order with Non Slip

Non Slip Shop prepare all orders to our customers exact requirements here in the United Kingdom. You can place an order online, or obtain a quotation via email, or telephone.

Payment Methods

All Major Debit & Credit Cards Accepted.

- **Online Payments:** Secure Online Payments through PayPal (No account required) or Sage Pay (Debit and Credit Card) Payment Systems.
- **Offline Payments:** Secure Telephone Payment Facility. Pro-Forma or BACS / Bank Transfer. 30 Day Trade Credit Accounts.

Delivery Methods

Lead Time

Manufacturing lead times are commonly within 2 to 5 working days.

GB Delivery Methods

Once your products have been manufactured, we ship your products on a next day delivery service.

We will contact you in advance to confirm dispatch. This is an all-day delivery slot, between the hours of 8am to 6pm. The driver will require a signature at the point of delivery.

Please note that over-sized items which are larger than 1.5 metres will incur an additional shipping charge.

Free Collection Option - Free collection is also available from Telford, Shropshire.

For Channel Islands, Highlands and Grampian Regions, NI & Overseas Deliveries.

Please contact us directly to arrange deliveries to Northern Ireland, Isle of Wight, Isle of Man, Highlands and Grampian Regions.



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Get in touch **01952 327 757**



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