



Non-Slip Floor Sheets

Product Information, Maintenance & Installation Guide

Product Description

GRP Non-Slip Floor Sheets. Designed to provide slip resistance to existing floor substrate.

Product Properties

Safe Tread Non-Slip Floor Sheets are manufactured from high quality GRP incorporating either a **standard duty** quartz or **heavy duty** ToughGrip anti-slip surface.

TECHNICAL DATA	
Stock sizes	4mm thick sheet & approx. weight: 2440 x 1220mm (8' x 4'), 18kg 1200 x 1200mm (4' x 4'), 9kg 2400 x 1200mm, 18kg 2400 x 1000mm, 15kg 2000 x 1000mm, 12.5kg 1220 x 1220mm, 9kg 1200 x 800mm, 6kg
Stock sizes	10mm thick sheet & approx weight: 2440 x 1220mm (8' x 4'), 56kg 1200 x 1200mm (4' x 4'), 28kg
Cut To Size	Cut to size service maximum individual size 2400mm x 1200mm
Standard Duty	<ul style="list-style-type: none"> • For normal pedestrian traffic • Industrial applications • Wet, frosty and oily conditions
Heavy Duty	<ul style="list-style-type: none"> • For busy pedestrian traffic • Industrial applications • Train stations, hospitals, stadiums car parks, busy public walkways • Wet, frosty and oily conditions.
Environments	Indoor or outdoor use
Suitable Applications	<ul style="list-style-type: none"> • Walkways • Bridges • Access Platforms • Ramps
Suitable Substrates	<ul style="list-style-type: none"> • Concrete • Wood • Metal • Steel • Chequer plate • Grating
Fixing Methods	Mechanically fixed or bonded with an adhesive (for extra security use both options)
Service Temperature	-50°C to +80°C

COLOURS	
Stock	Black RAL 9004 Light Grey RAL 7035 Medium Grey RAL 7004 Dark Grey RAL 7015 Yellow RAL 1003 Beige RAL 1001 Brown RAL 8028 Red RAL 3950
Non stock	Custom colours available
Colourdec	Barn Owl, Wizard, Gun Metal Dune, Harvest Woodland, Rustic Bayside, Hillside, Vineyard

Slip Resistancy Test Results - Pendulum Test

Safe Tread Non-Slip Floor Sheets achieved the highest classification available of extremely low slip risk when subjected to the Pendulum test method. This method is the HSE's preferred method for assessing floor slipperiness in both dry and water wet conditions.

Pendulum test value readings - HSE 4S (slider 96)				
Type	Grit Grade	Dry	Wet	Greasy
Standard Duty Quartz	Medium	79	74	61
Heavy Duty ToughGrip	Coarse	82	80	64
Heavy Duty ToughGrip	Fine	84	82	54
Colourdec	Medium	69	60	46
Product tested July 2016				

Key	
Pendulum Value	Slip Potential
0-24	High
25-35	Moderate
36-64	Low
65+	Extremely Low



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Maintenance & Cleaning Guide

Cleaning

Use of a stiff brush will usually be sufficient to remove everyday dirt and debris. For more stubborn items a mild detergent can be used with warm water.

Prior to carrying out a full cleaning programme it's advisable to first test the suitability of the detergent on a small inconspicuous area.

Once the cleaning programme has been completed it's important to ensure that any excess water has been removed from the floor sheets surface before it's put back into use.

Pressure Wash

If conditions allow, a pressure washer on a low setting can be used to clean the floor sheet. However, if the floor sheet has been secured with an adhesive agent or sealed with a sealant repeated use of a pressure washer could undermine the integrity of the adhesive / sealant.

Again, prior to carrying out a full cleaning programme it's advisable to first test the suitability of the pressure wash on a small inconspicuous area.

Spillages

Spills should be cleared up immediately. This should occur with consultation of product data sheets and in harmony with the company's own safety procedures.

General Routine Maintenance

The security of any fixings and the integrity of the products gritted surface and GRP substrate should be checked on a regular basis. The frequency of which will depend on the nature and volume of footfall. As a guide, for high traffic areas monthly inspections would be advisable.

Life Expectancy

Design life of 10+ years, subject to traffic analysis.

The life expectancy of any flooring product will be dictated by the nature and volume of the traffic it receives.

Factors such as shoe type and material, weight of individual, non pedestrian traffic, and any contamination such as dirt or grit are all factors that will influence the natural wear and tear of the floor sheet.



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Handling

Safe handling practices should always be employed, appropriate P.P.E be worn. Store the floor sheets laid flat.

Cutting (where required)

Safe Tread Non-Slip Floor Sheets can be easily cut to size or shape using orbital cutting equipment with either a stone or diamond blade. Cutting should be carried out externally or where there is dust extraction/suitable ventilation and appropriate protective equipment should be worn.

Preparation

Any damage or undulations to the receiving substrate should be remedied to ensure that the floor sheets will be on a flat and even surface. If using an adhesive the substrate must be clean and dry, free from oils and grease, dust and loose particles. The underside of the sheet must also be clean and dry. Where the substrate is contaminated (i.e. by oil or wet) or its surface strength is wanting, mechanical fixing is essential. Prior to applying an adhesive it's advisable to first carry out a dry-fit to ensure a suitable fit.

Fixing

We recommend a double fixing method for installing Safe Tread Non-Slip Floor Sheets consisting of a high strength bonding adhesive and mechanical fixings.

Having carried out adhesion tests using various adhesives we would recommend the use of SikaFlex for bonding Safe Tread Non-Slip Floor Sheets. SikaFlex is suitable for bonding to concrete, wood, metal and steel.

The reputation for Sika for quality and reliability is virtually unmatched, illustrated through a comprehensive portfolio of problem solving products that have been employed for many years in wide diversity of applications.

Sikaflex adhesive is also a sealant and can be used to seal around the edge to stop water lying between the floor sheet and the substrate (water will not harm the floor sheet but can affect wood or metal substrates causing rot or rust). Furthermore, use of Sikaflex will also help eliminate the drumming noise, when walked upon, that can be created when fitting onto an existing substrate.

Adhesive Quantity

As an approximate guide, with a 6mm bead 1 x 300 ml tube of Sikaflex should be sufficient to bond one 2400mm x 1200mm Safe Tread Anti-Slip Floor Sheet.

Sikaflex adhesive can be purchased from Safe Tread:
<https://www.safetread.co.uk/installation/adhesives>.

Technical data sheet for SikaFlex:
https://www.safetread.co.uk/pdf/sikaflex_EBT.pdf



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Bonding

Once our preparation guidelines have been followed the floor sheets can be bonded as follows:

1. Run a 6mm bead of adhesive around the perimeter of the floor sheet about 15mm in from the edges and cross hatch at about 200mm apart.
2. Use hand pressure bond the floor sheet into position.
3. With SikaFlex Optimum bonding will be obtained around 48 hours after application at 23°C. However, the floor sheets can be walked on a few hours after bonding subject to temperature. We therefore recommend testing first.

We would also recommend the use of mechanical fixing to offer a secondary fixing.

Mechanical fixing

Safe Tread Non-Slip Floor Sheets can be drilled and secured with pozi self-tapping stainless steel screws (available from Safe Tread in a range of matching colours) after following the preparation procedure:

1. Always ensure that the screw length is slightly longer than the plug length to obtain a good fixing.
2. Fixing is generally recommended at approx 20mm in from any edge and at a maximum of 400mm centres.

The installer should ensure that the substrate is of sufficient quality to achieve a secure fixing.

Where forklift trucks cross the walkway, extra fixings should be installed at 150mm centres. In any event, if the substrate undulates or is not flat extra fixings should be installed.

Miscellaneous

The installation instructions make no claim to being comprehensive but should be used as a guide. Always employ safe practices. It's recommended that to first test the suitability of any fixing method on a small area before carrying out a full installation programme.

Other Non Slip Stair & Floor products from Safe Tread:

- Non-Slip Decking Strips • Anti-Slip Stair Nosing
- Anti-Slip Stair Treads • Anti-Slip Extra Deep Stair Treads
- Stair Riser Plates • Anti-Slip Stair Tactiles
- Installation Tools, Screws, Adhesives
- Personal Protective Equipment (PPE).



ISO 9001



ISO 14001

