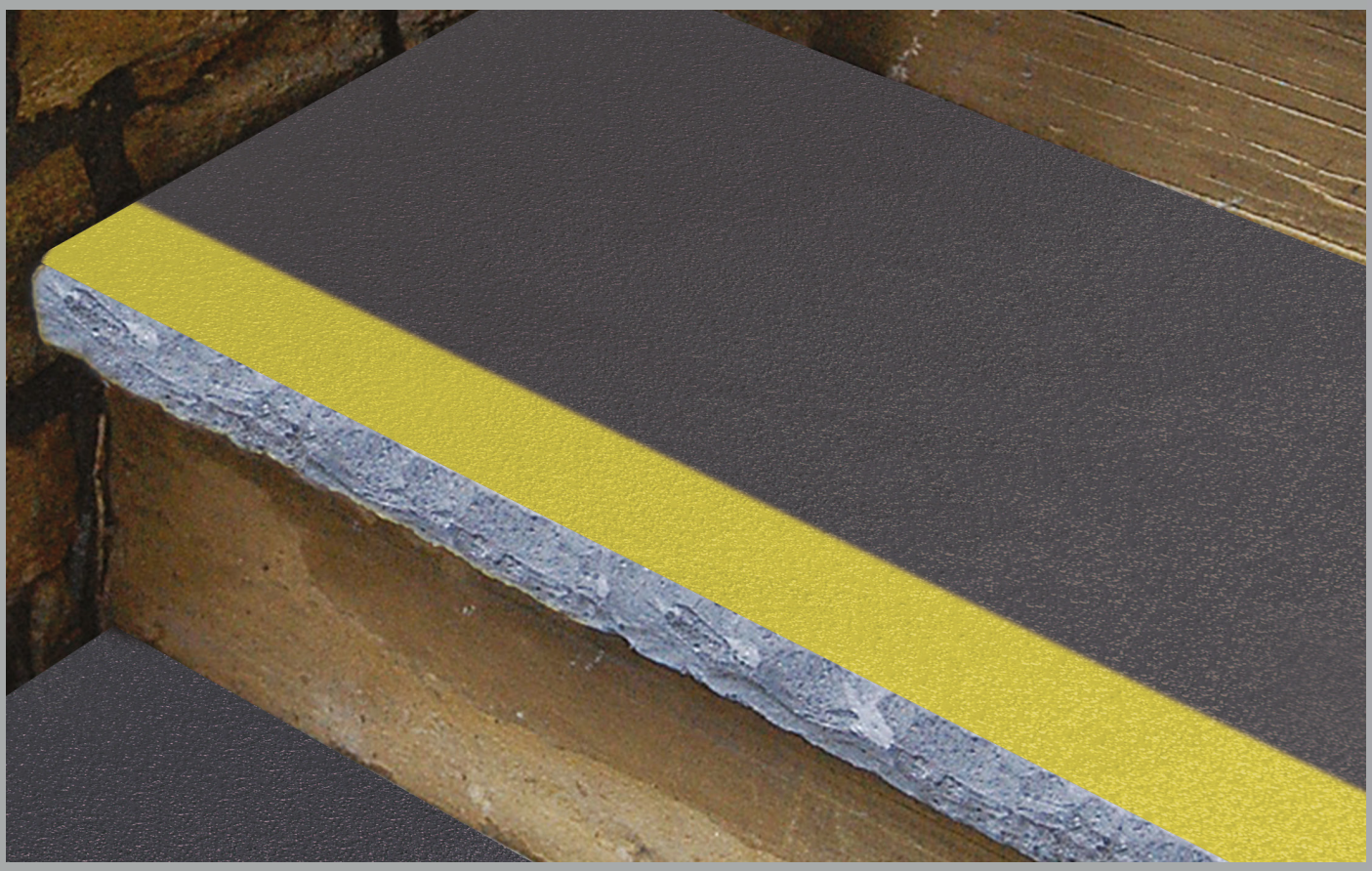
FibreGrid SlipGrip® Step & Ramp Paint



Product Description

Our SlipGrip® Step and Ramp Paint is our most slip resistant anti slip paint, providing a heavy duty and extremely effective solution for slippery slopes, steps and ramps.

Use SlipGrip® Step and Ramp Paint in high risk areas to provide an anti slip surface with extremely low slip potential in both wet and dy conditions.

It has a coarse textured semi-gloss epoxy resin that means the paint can take constant foot traffic.

Only one coat is necessary.

Southern Office: Unit 2, Civic Industrial Estate, Homefield Road Central, Haverhill, Suffolk, CB9 8QP
Northern Office: Kingston House, 3 Walton Road, Pattinson North, Washington, Tyne & Wear, NE38 8QA

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Fax: **01440 712733**

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Characteristics

- Our most slip resistant anti slip paint
- Specifically designed for smaller areas with high slip potential
- Provides extra traction in areas of constant foot or wheeled traffic
- Chemical resistant
- Can be applied to underfloor heating systems up to 30°C surface temperature

Suitable Applications

- Steps
- Ramps
- Walkways
- Loading bays
- Around dangerous machinery
- Concrete
- Cement screed
- Metal
- Stone
- Previously painted surfaces

Technical Data

Coverage:	5m^2 per pack
Number of components:	1 x curing agent, 1 x resin, 1 x anti slip particles
Colours:	Black Mid Grey Safety Red Safety Yellow
Required No. of coats:	1 coat is usually sufficient
Mix ratio:	100 parts curing agent, 40 parts resin
Min application temp (°C):	Air temperature 15°C, floor temperature 10°C
Shelf life:	12 months in unopened container
Curing times:	Approx. 20 hrs at 15°C to 20°C Approx. 36 hrs at 10°C to 15°C Below 10°C, curing time needs to be extended to several days
Storage:	15°C to 25°C for at least 8 hours before use. Do not allow to freeze
Chemical resistance:	The cured surface will resist spillages at 25°C from: Paraffin, fuel oils, 10% nitric, sulphuric and hydrochloric acids, sugar solutions, oxalic acid, citric acid, salt solutions, caustic soda, hypochlorite solutions, petrol alcohols.
Cleaning:	White spirit

Please check that the product is fully cured before bringing the area back into use.
Please note that the surface should be protected from water (including heavy condensation) until fully cured. Full chemical resistance takes 7 days. During this sensitive period please do not wash the surface (even with water) or subject it to strong sunlight.

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Test Results

Abrasion Resistance (ISO 5470-1) = 163mg:

Taber test method expresses results in mg on a scale between 0mg (highest resistance) and 3000mg (lowest).
A reading below 3000mg is a CE mark pass.

Impact Resistance (ISO 6272) = CLASS 1:

Impact is expressed as Newton metres. Greater than 4 Nm is a CE mark pass.
Class 1 > 4Nm
Class 2 > 10Nm
Class 3 > 20Nm

Scratch Resistance (ISO 4586-2) = 7N:

Scratch resistance is measured using a Sclerometer and the resistance is measured in Newtons.
1N is the lowest resistance, 20N the highest.

ADHESION (ISO 2409) = CLASS 0:

Cross-Cut Test method. Class 0 is highest adhesion, Class 5 is lowest.

ADHESION (EN 1542) = 3.3 MPa/Nmm^2:

Adhesion is expressed in MegaPascals (MPa) or Newton millimetres squared (Nmm2).
Greater than 2 MPa is a CE mark pass.
>2MPa (Nmm2)= test pass

Wolff-Wilborn Hardness Test = 8H:

Also known as the ‘pencil test’, a 9H reading is the measure of a hardest coating, HB is the softest.

Water Permeability (EN 1062-3):

To achieve a CE mark, the measurement must be less than 0.1 kg/m2(24 h)0.5
CE Marking
Critical Value: < 0.1kg/m^2/(24 h)0.5

Flexibility (ISO 1519) = 8mm:

Flexibility is measured using a Mandral Flex Tester, 2mm is the most flexible, 36mm is the least.

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Slip Resistance Values

Measured using the Pendulum test method (WF rubber slider) - certificate available on request.

Top Surface	PTV Reading
Single coat	65

The UK Slip Resistance Group guide to slip resistance of a floor for able bodied pedestrians:

Four S Pendulum Value	Potential for Slip
Above 65	Extremely Low
35 to 65	Low
25 to 35	Moderate
25 and Below	High

Preparation

Ensure the surface is clean, dry, and free from wax, oil, food residue or any other substance likely to affect the application of the paint. Grease and oil should be removed with our SlipGrip® Standard Degreaser.

Previously painted surfaces should be roughened slightly using sanding material. New concrete should be left at least 28 days before applying the paint.

No primer is required, however if you are applying to concrete, and you feel the surface needs a more smooth, porous key, you can apply our SlipGrip® Concrete Keying Etchant to neutralise any remaining alkalinity in the cement and to remove further dirt and laitance (weak, dusty cement particles).

If you are painting metal, remove any flakes by using a wire brush or similar, and then remove any oil or grease with our SlipGrip® Standard Degreaser. For galvanised metal, a galvanised surface primer is recommended before painting. We also recommend patch testing a small trial area first in areas where appearance is critical. Apply the coating as soon as you have prepared the surface. Only apply SlipGrip® Step & Ramp Paint once the metal has dried.

Application

SlipGrip® Step and Ramp Paint consists of a small tin of resin, a small tin of hardener, and a pack of aggregate all packed within one large outer tin. Pour the resin and hardener into the large outer tin and mix together until there is a consistent colour. Our Paint Mixer is best used for this. Do not mix in the aggregate, this is rollered in at the end.

Pour the mixture into the Paint Scuttle, and start work immediately. NB: The large tin will become hot if the mixture is not poured into a roller tray quickly so please take precautions.

It is recommended that you start at the edges of the area you are painting first using a paint brush. As you paint, the aggregate should be immediately sprinkled evenly onto the wet coating. Do not exceed a surface area of 5 metres^2 per tin.

Using our 12” Roller (or any pile-type roller), apply the mixed resin and hardener by roller to a measured area of 5m.

Then, immediately sprinkle the anti-slip aggregate uniformally onto the wet coat.

Finally, using the same roller that was used to apply the mixed resin and hardener, roll over the sprinkled aggregate to bed in and cover the anti-slip aggregate. It is not normally necessary to re-charge the roller with mixed resin unless very heavy quantities of grit have been applied.

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Mixing & Application

1. Individually stir the resin and curing agent using a FibreGrid Paint Mixer, (or a wooden batten at least 25mm wide is ideal).
2. Pour the mixed components into the larger outer tin and stir thoroughly until uniform in colour.
3. Pour the mixed resin and curing agent into a shallow roller tray.
4. Apply the mixed resin and curing agent by medium pile roller (not foam) to a measured area of 5m^2. A paint brush may be used for cutting in around the edges.
5. Immediately sprinkle the anti slip aggregate, uniformly, onto the wet coat to obtain the desired surface finish (total or light coverage).
6. Using the same roller that was used to apply the mixed resin and curing agent, roll over the sprinkled aggregate to bed in. Do not re-charge the roller with mixed resin and curing agent unless very heavy quantities of grit have been applied, since this will result in a loss of slip resistance.
7. Avoid washing the surface for 7 days after application.

Curing Times

Temp	Recoat	Touch Dry	Light Traffic	Heavy Traffic
10°C	16 hours	12 hours	24 hours	36 hours
20°C	12 hours	6 hours	16 hours	24 hours
30°C	8 hours	4 hours	12 hours	24 hours

General Maintenance

Regular inspections of the surface should be carried out to ensure it is fit for purpose, and free from dirt, grime, grease and other contaminants. Brush off with a medium broom or light scrubbing machine. Use detergents as you see fit.

Do not steam clean or subject to temperatures above 45°C.

If an area needs repairing, simply apply more SlipGrip® Step & Ramp Paint.

If in doubt, call us on 01440 712722 for expert, friendly advice.

Standard Compliance

EN 1504-2: CE
This mark indicates that a coating has passed all the tests required to carry a CE mark.

BREEAM COMPLIANT

VOC LEVEL: <30g/Litre - LOW

ISO 16000: A+
The 'Loi Grenelle' measurement of the effect of a product's VOC level within a building. A+ is the top safety rating.

REACH COMPLIANT

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