



FIBREGRID

FibreGrid SlipGrip® Heavy Duty Anti Slip Floor Paint



Product Description

Our SlipGrip® Heavy Duty Anti Slip Paint is a tough epoxy resin formulation for heavily trafficked areas or if you need built-in chemical resistance.

The unique formulation is not one of those conventional anti slip finishes where you have to sprinkle grit into the wet paint. It has pre-blended particles that actually help people and vehicles get along easier, whilst still performing its primary function of providing a safer floor surface. It's also much easier to clean than 'gritty' surfaces.

Easy to apply, this epoxy resin is very hard wearing, chemical resistant and virtually solvent-free and odourless. You can also use it on floors with underfloor heating.

Southern Office: Unit 2, Civic Industrial Estate, Homefield Road Central, Haverhill, Suffolk, CB9 8QP
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Characteristics

- Extremely hard wearing two part epoxy resin formula with in-built chemical resistance
- Tin comes with a high strength aggregate, making our paint highly durable
- Suitable for a variety of substrates



Suitable Applications

- | | |
|------------------------------|-------------------------|
| • Areas of high foot traffic | • Concrete |
| • Schools | • Wood |
| • Factories | • Metal |
| • Warehouses | • Other porous surfaces |
| • Showrooms | |



Technical Data

Coverage:	15m ² per 5L tin (with two coats)
Number of components:	1 x curing agent, 1 x resin
Colours:	Light Grey Mid Grey Mid Blue
Recommended No. of coats:	2
Dry film thickness:	100 microns
Wet film thickness:	160 microns
Mix ratio:	100 parts curing agent, 132 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) = 333mg:

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 3:

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/Nmm²:

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 = 9H:

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

Gloss Value Rating = 98 - High Gloss:

Rating is a 'Gloss Unit' measured on an Optical Glossmeter.

Matt 0-10%,

Low Sheen 10-25%,

Eggshell 26-40%,

Semi-Gloss 41-69%,

Gloss 70-85%,

High Gloss +85%

Water Permeability (EN 1062-3) = W₃:

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/m²/(24 h)0.5

W₁ is the lowest, W₃ is the highest.

Flexibility (ISO 1519) = 2mm:

Flexibility is measured using a Mandrel 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
Recommended dual coat	59

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).

For best results, floor temperature should be at least 15°C.

We also recommend patch testing a small trial area first in areas where appearance is critical.



Surface Preparation

Painted surfaces – Abrade to remove any weak or loose paint. Check remaining paint is well bonded. Very smooth, glossy paint should be lightly abraded to provide a key. FibreGrid Standard Degreaser can be used to remove grease and oil from painted surfaces.

New concrete – As a guide, new concrete should be left for four weeks to dry in the summer and six in the winter. The surface should then be prepared using FibreGrid SlipGrip® Concrete Keying Etchant and thoroughly rinsed away and left to dry prior to applying this product.

Bare concrete – Remove surface laitance, dust and any light dirt or grease deposits using FibreGrid SlipGrip® Concrete Keying Etchant. SlipGrip® Concrete Keying Etchant also etches smooth, bare concrete surfaces to provide a key. Flush with clean water and allow surface to dry. For the removal of heavier deposits of oil and grease, we recommend FibreGrid Standard Degreaser again, flush with clean water and allow the surface to dry.

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Mixing

Remove the two inner tins from the outer tin. Stir half the contents of both inner tins well with our Paint Mixer (DO NOT mix the entire contents of both inner tins, as the left over mix will harden making it unsuitable to use for the second coat) , then decant the contents of the mix into the outer tin. Mix the components together thoroughly using a spatula or similar wide bladed tool (a piece of wooden batten is ideal).

Continue mixing until an even colour and consistency are obtained. Do not mix more than one pack at a time and if applying to small area only mix what you need. If a paint stirrer fitted to an electric drill is used, also use the spatula to blend in any unmixed material from the sides and bottom of the tin.



Application

We recommend you test first on a small area.

Important – our Heavy Duty paint hardens within 2 hours. Therefore, if you are only purchasing 1 tin, you must only mix half of the ingredients for the first coat, and the second half of the ingredients when you are ready to paint the second coat. If you are purchasing 2 tins, use the first tin for the first coat, and the second tin for the second coat.

Best results are obtained in warm (minimum 15°C), dry conditions with good ventilation. In very high temperatures (30°C and above) it is recommended that bare concrete is lightly dampened first with water. Apply with a medium pile roller, working well into the surface of the concrete. Occasional stirring will ensure a more even distribution of the aggregate. The product will darken slightly as curing commences and it should not be over rollered.

The second coat can be applied as soon as the first coat is dry (generally 4-6 hours) and should be applied within 5 days (mixing the remaining contents of the inner tins). If more than 5 days elapse, the first coat should be lightly abraded before the second coat is applied. Avoid washing the surface for seven days.

Curing Times

Temp	Recoat	Touch Dry	Light Traffic	Heavy Traffic	Full Chemical Resistance
10°C	6-8 hours	4 hours	16 hours	48 hours	7 days
20°C	4-6 hours	2 hours	12 hours	24 hours	7 days
30°C	4 hours	1 hour	12 hours	24 hours	7 days

Light Traffic: Foot, trolley, pallet truck or occasional forklift

Heavy Traffic: Regular forklifts, heavy footfall or parked vehicles



General Maintenance

Safety

If you apply SlipGrip® Heavy Duty Anti Slip Paint onto a surface that doesn't drain well, it could potentially become a slip hazard. We do not recommend you use the product in areas that are prone to being under water.

Storage

Store in a cool, dry place away from sunlight.

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Shelf Life

12 months if unopened.

Tool Cleaning

Clean applicators in warm, soapy water before the paint starts to dry.



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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