

SlipGrip® Heavy Duty Anti Slip Floor Paint



Product Description

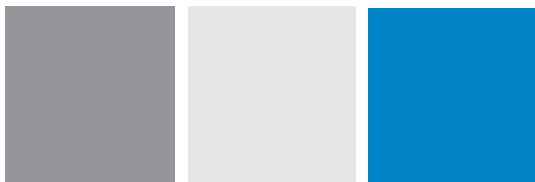
Our SlipGrip Heavy Duty Anti Slip Paint is a tough epoxy resin formulation for heavily trafficked areas or if you need built-in chemical resistance. The unique formulation is not one of those conventional anti slip finishes where you have to sprinkle grit into the wet paint. It has pre-blended particles that actually help people and vehicles get along easier, whilst still doing its primary function of providing a safe floor. 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 under-floor heating.



Colours Available

Mid Grey, Light Grey, Mid Blue





Technical Data

Coverage:	15m ² per 5L tin (with two coats)
Componets:	1 x curing agent, 1 x resin
Finish:	Finely textured, mid gloss
Colours	Light Grey, Mid Grey and Mid Blue
Number of Coats:	Two coats is recommended
Dry Film Thickness	100 microns
Wet Film Thickness	160 microns
Pot Life:	Up to 2 hours at 20°C
Mix Ratio:	100 parts curing agent, 132 parts resin
Curing Times:	Approx. 20 hrs at a temperature range between 15°C to 20°C Approx. 36 hrs at a temperature range of 10°C to 15°C. At temperatures below 10°C, curing time needs to be extended to several days.
Storage:	15°C-25°C for at least 8 hours before use.
Chemical Resistance:	The cured surface will resist spillages from (at 25°C) including: Paraffin, fuel oils, 10% nitric, sulphuric and hydrochloric acids, sugar solutions, oxalic acid, citric acid, salt solutions, caustic soda, hypochlorite solutions, petrol alcohols.
Tool Cleaning:	Unfortunately applicators won't be cleanable after use. For unwanted splashes, white spirit or similar should be used.

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 don't wash the surface (not even with water) and don't subject it to strong sunlight.



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, the floor temperature should be at least 15°C. We do not recommend this product for use on metal or latex levellers.

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

Surface Preparation

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 cleanwater 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.

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 coating.

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.

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. Do not exceed the maximum coverage of 15m² per 5 litre pack, per tin. The product will darken slightly as curing commences and it should not be over rolled. 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 Time	Recoat Time	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 fork lift

Heavy Traffic: Regular forklifts, heavy footfall, parked vehicles

General Maintenance

Tool Cleaning

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

Storage

Keep in a cool, dry place away from full sunlight.

Safety First

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



Technical Data

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.

Flexibility ISO 1519 2mm:

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

Gloss Value Rating 98:

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:

To achieve a CE mark, the measurement must be less than $0.1 \text{ kg/m}^2(24 \text{ h})^{0.5}$

CE Marking

Critical Value: $< 0.1 \text{ kg/m}^2/(24 \text{ h})^{0.5}$

Slip Resistance BS7976-2 59 PTV

The Pendulum Test Value (PTV) is measured in wet conditions. A number above 36 indicates a 'low slip potential'.

High: 0-24 PTV

Moderate: 25-35 PTV

Low: 36+ PTV

Standard Compliance

- EN104-2 - This mark indicates that a coating has passed all the tests required to carry a CE mark
- Breem Compliant
- Reach Compliant
- VOC Level <30g/litre LOW
- ISO 16000 A+ - The 'Loi Grenelle' measurement of the effect of a product' VOC level within building. A+ is the to safety rating

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