

# CONCRETE FLOOR PAINT

## MATT CONCRETE FLOOR PAINT

### ANTI SLIP CONCRETE FLOOR PAINT



#### AREAS OF USE

- Production Areas
- Warehouses
- Workshops

#### FEATURES

- Professional quality, single pack polyurethane coating
- Transforms and dustproofs drab, stained concrete
- Ideal for identifying production and storage areas and traffic aisles
- Easy to use and easy to keep clean
- Superior performance demonstrated by ISO testing to CE mark EN 1504-2
- High Gloss, Matt & Anti Slip versions available
- New formulations to RAL colour shades

#### DESCRIPTION

Our unique formula based on a blend of ceramic, 'diamond hard' wax and polyurethane resin, has produced a 'Best in Class' single pack paint for general use.

All grades now carry CE Mark EN 1504-2 and have impressive test results for abrasion, scratch and impact resistance, as well as for adhesion, hardness and flexibility.

All tests have been undertaken to ISO standard where applicable, and demonstrated this 'Best Ever Formulation' to be four times more scratch resistant than previously, twice as hard wearing and with 50% improved adhesion.

This attractive, hardwearing coating is easy to apply and dries quickly to provide a low maintenance, tough, oil resistant finish.

Matt Concrete Floor Paint helps to disguise imperfections in older floors and reduce reflection or glare. It's still easy to keep clean and has all the benefits of the high gloss finish.

Watco Concrete Floor Paint Anti Slip provides a good level of slip resistance and the anti slip particles are pre-blended which makes it easier to achieve a uniform finish.

#### SPECIFICATION

Composition	Solvent based, polyurethane.
Number of Components	1
Finish	Coloured, high gloss, smooth or anti slip.
Primer Required	Not usually. See 'Priming' overleaf.
Number of Coats	2
Dry Film Thickness	80 microns.
Wet Film Thickness	120 microns.
Usage Interior/ Exterior	Interior.
Application Tools	Medium pile roller. Cut in using a brush.
Minimum Application Temperature	Air temperature 15°C Floor temperature 10°C
Suitable For	Concrete, wood, most metals, existing well bonded paint. The moisture content of concrete should be less than 75% RH.
Coverage	40m <sup>2</sup> per coat.
Cleaning Tools	White Spirit.
Shelf Life	24 months in unopened containers.

Cleaning	Mild, neutral detergent - Watco Protect is ideal. Do not steam clean.
Storage	Between 15°C-25°C for at least 8 hours prior to use. Do not allow to freeze.
Principle Limitations	This coating is not recommended for areas where cars may stand for long periods. In common with single pack paints of this type, a reaction can take place between the car tyres and the paint, leading to delamination – in such cases we recommend a two pack epoxy system such as Watco Epoxy Gloss Coat. It is also unsuitable for most self-levelling compounds (please ask for details) and areas subject to rising damp.

Please contact us regarding applications not described here.

#### Samples are available on request.

While great care is taken with the colour samples shown, no guarantee can be given that they represent exactly the colours offered.

DRYING TIME	Recoat Time	Touch Dry	Light Traffic	Full Use
10°C	24 hours	16 hours	48 hours	72 hours
20°C	16 hours	10 hours	24 hours	36 hours
30°C	16 hours	6 hours	24 hours	36 hours

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

#### COLOURS/RAL REFERENCE

These colours available in High Gloss, Matt & Anti Slip, except where indicated

Light Grey /7038	Tile Red
Mid Grey /7037	Sandstone/1014
Dark Grey /7015	Hazard Yellow*/1018
Mid Blue /5015	Signal Red*/3020
Blue Grey /7000	Signal Green*/6032

\*Not available in Matt.

These colours available in High Gloss only

White/9010
Stone/7032
Mid Green/6002

If you require a colour not shown here Watco Spectrum Floor Paint is available in a wider range of RAL colours – please ask for details.

TEST RESULTS

<p><b>Abrasion Resistance</b> ISO 5470-1</p> <p>127mg</p>	<p>3000mg → 0mg Lowest → Highest</p> <p>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.</p>		<p><b>FLEX</b> ISO 1519</p> <p>2mm</p>	<p><b>Flexibility</b> ISO 1519</p> <p>Flexibility is measured using a Mandral Flex Tester, 2mm is the most flexible, 36mm the least.</p>	<p>36mm → 2mm Lowest → Highest</p>
<p><b>IMPACT RESISTANCE</b> ISO 6272</p> <p>CLASS 3</p>	<p><b>Impact Resistance</b> ISO 6272</p> <p>Impact is expressed as Newton metres. Greater than 4 Nm is a CE mark pass.</p>	<p>Class 1 &gt;4Nm Class 2 &gt;10Nm Class 3 &gt;20Nm</p>	<p><b>GLOSS VALUE</b> High Gloss: 92 Matt: 4</p>	<p><b>Gloss Value</b></p> <p>Rating is a 'Gloss Unit' measured on an Optical Glossmeter.</p>	<p>Matt 0-10%, Low Sheen 10-25%, Eggshell 26-40%, Semi-Gloss 41-69%, Gloss 70-85%, High Gloss +85%</p>
<p><b>SCRATCH RESISTANCE</b> ISO 4586-2</p> <p>7N</p>	<p><b>Scratch Resistance</b> ISO 4586-2</p> <p>Scratch resistance is measured using a Sclerometer and the resistance is measured in Newtons. 1N is the lowest resistance, 20N the highest.</p>	<p>1N → 20N Lowest → Highest</p>	<p><b>CHEMICAL RESISTANCE</b> LIMITED</p>	<p><b>Chemical Resistance</b></p>	<p>Resists short term spillages of oil, grease, diesel and White Spirit.</p>
<p><b>ADHESION</b> ISO 2409</p> <p>CLASS 1</p>	<p><b>Adhesion Test</b> ISO 2409</p> <p>Cross-Cut Test method. Class 0 is highest adhesion, Class 5 is lowest.</p>	<p>Class: 5 → 4 → 3 → 2 → 1 → 0 Lowest → Highest</p>	<p><b>WATER PERMEABILITY</b> EN 1062-3</p> <p>W<sub>3</sub></p>	<p><b>Water Permeability</b> EN 1062-3</p> <p>To achieve a CE mark, the measurement must be less than 0.1 kg/m<sup>2</sup>(24 h)<sup>0.5</sup></p>	<p>CE Marking Critical Value: &lt; 0.1kg/m<sup>2</sup>(24 h)<sup>0.5</sup> W<sub>1</sub> → W<sub>2</sub> → W<sub>3</sub> Lowest → Highest</p>
<p><b>ADHESION</b> EN 1542</p> <p>3.25MPa/Nmm<sup>2</sup></p>	<p><b>Adhesion Test</b> EN 1542</p> <p>Adhesion is expressed in MegaPascals (MPa) or Newton millimetres squared (Nmm<sup>2</sup>). Greater than 2 MPa is a CE mark pass.</p>	<p>&gt;2MPa (Nmm<sup>2</sup>) = test pass</p>	<p><b>SLIP RESISTANCE</b> BS7976-2</p> <p>28 PTV (Gloss) 45 PTV (Matt) 60 PTV (Anti Slip)</p>	<p><b>Slip Resistance</b> BS7976-2</p> <p>The Pendulum Test Value (PTV) is measured in wet conditions. A number above 36 indicates a 'low slip potential'.</p>	<p>High: 0-24 PTV Moderate: 25-35 PTV Low: 36+ PTV</p>
<p><b>HARDNESS</b> 9H</p>	<p><b>Wolff-Wilborn Hardness Test</b></p> <p>Also known as the 'pencil test', a 9H reading is the measure of a hardest coating, HB is the softest.</p>	<p>HB → 9H Least Hard → Hardest</p>			

STANDARD COMPLIANCE

<p>EN 1504-2</p>	<p><b>EN 1504-2</b></p> <p>This mark indicates that a coating has passed all the tests required to carry a CE mark.</p>	<p><b>BREEAM COMPLIANT</b></p>	<p><b>BREEAM COMPLIANT</b></p>	<p><b>VOC LEVEL</b></p> <p>450g/Litre HIGH</p>	<p><b>VOC LEVEL</b></p>	<p>ISO 16000</p>	<p><b>ISO 16000</b></p> <p>The 'Loi Grenelle' measurement of the effect of a product's VOC level within a building. A+ is the top safety rating.</p>	<p><b>REACH COMPLIANT</b></p>	<p><b>REACH COMPLIANT</b></p>
------------------	---	--------------------------------	--------------------------------	--	-------------------------	------------------	--	-------------------------------	-------------------------------

SURFACE PREPARATION:

**Bare Concrete** – remove surface laitance, dust and any light dirt or grease deposits using Watco Etch & Clean. Watco Etch & Clean also etches smooth, bare concrete surfaces to provide a key. Flush with clean water and allow the surface to dry. For the removal of heavier deposits of oil and grease we recommend Watco Concroff, 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 Watco Etch & Clean and thoroughly rinsed away and left to dry prior to applying this coating.

**Priming** – is not usually required, but for very porous high suction surfaces, such as sand and cement screed, use Watco 4 Hour Epoxy Primer. Concrete should be sufficiently porous to allow the paint to penetrate, so very smooth or power floated concrete is unsuitable unless first primed with Watco Powerfloat Primer.

**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. Watco Bio-D can be used to remove grease and oil from painted surfaces. Watco Concroff is a very powerful degreaser for contaminated bare concrete, (do not use on a previously painted surface since it can soften paint).

**APPLICATION:** The paint should be thoroughly stirred and must not be thinned. Apply by roller and work well into the surface. Use a paint brush for edges. Avoid applying the paint too thickly. The second coat can be applied as soon as the first coat is dry (generally 16 hours), and should be applied within 5 days. If more than 5 days elapse, the first coat should be lightly abraded before the second coat is applied. Avoid washing the surface for 7 days.

**SAFETY:** Material Safety Data Sheets are available.

**ORDERING:** Available direct from Watco UK Limited and through agents worldwide. All Watco products are sold subject to the Company's Standard Conditions of Sale. The Company and its representatives are often asked to comment on potential uses of Watco products which differ from those described in the Company's data sheets. Whilst in such cases the Company and its representatives will always try to offer helpful and constructive advice, the Company cannot be held responsible for the results of such uses unless they are specifically confirmed in writing by Watco.



WATCO.CO.UK