

4 Hour Epoxy Primer

A fast drying primer for porous surfaces

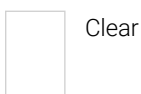


Watco 4 Hour Epoxy Primer prevents 'air entrapment' bubbles forming when epoxy coatings are applied to open textured surfaces. It is a highly penetrative, two pack, virtually solvent free primer, especially designed to reduce the porosity of bare, porous or open textured concrete and high suction floors.

Watco 4 Hour Epoxy Primer also binds together and strengthens weak and friable surfaces ready for painting and it offers significant benefits over traditional water based primers; not only because of its exceptional binding properties but also how deeply it penetrates into the substrate and how rapidly it cures. This rapid curing, high performance formulation allows the floor to be primed and coated in the same day.



Colours



Areas of use:

- Priming bare, porous or open textured surfaces prior to applying epoxy floor coatings

Features:

- Ready to be over coated in only 4 hours
- Virtually solvent free two pack epoxy resin – safe for use in confined areas
- Binds weak and friable surfaces
- 100% solids epoxy offers major benefits over traditional water based primers – highly penetrative, exceptional binding and strengthening properties and rapid curing

Need help? Speak to the experts

Our dedicated and professional team are here to help you get the best results for your project. They will talk you through the preparation and application stages when using **4 Hour Epoxy Primer**.

Call our expert team on: 01483 418 418 (Weekdays 8:00am - 5:30pm. Saturday 9:00am - 12:00pm)



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1 Surface Preparation

Bare Concrete – remove surface laitance, dust and any light dirt or grease deposits using Watco Etch & Clean. Flush with clean water and allow the surface to dry thoroughly and for as long as possible to allow Watco 4 Hour Epoxy Primer to penetrate. 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 thoroughly.

New Concrete – as a guide, new concrete should be left for eight weeks to dry. The surface should then be prepared using Watco Etch & Clean and thoroughly rinsed away and left to dry prior to using Watco 4 Hour Epoxy Primer.

2 Mixing

Remove the two inner tins from the tall outer tin. Stir the contents of each tin thoroughly and pour all of the contents into the outer tin (scrape around the inside of the tins to remove any residue). 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. 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.

3 Application

Important – once the contents of the pack have been mixed, a chemical reaction takes place which creates heat, and the product should therefore be used immediately. Best results are obtained in warm (minimum of 15°C), dry conditions with good ventilation. Apply one coat with a medium pile roller (not foam) working well into the surface of the concrete. Do not exceed the maximum coverage rate (see section headed 'Coverage' for further information). As a guide, Watco 4 Hour Epoxy Primer can be over coated with a high build coating when it is touch dry (generally 4 – 8 hours) but should be applied within 48 hours. If more than 48 hours elapse, the primer should be lightly abraded to provide a key.

4 Safety

Material Safety Data Sheets are available.

4 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.

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Specification

Composition	Virtually solvent free, high solids epoxy resin.
Number of Components	1 x curing agent and 1 x resin.
Finish	Clear (it may have a slight darkening effect on some substrates).
Primer Required	See 'Surface preparation on P.2'.
Number of Coats	1
Dry Film Thickness	250 microns.
Wet Film Thickness	250 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	Porous, bare, concrete, sand & cement screeds, bricks and blockwork. The moisture content of concrete should be less than 75% RH.
Pack Size	5L
Coverage	Coverage is difficult to state accurately for this product as it has low viscosity, is highly penetrative and the substrate to which it is being applied will vary in porosity. As an approximate guide the following may be helpful: Smooth concrete – 20m ² per 5 litres. Acid etched concrete – 15m ² per 5 litres. Shot blasted/open textured concrete – 12.5m ² per 5 litres.
Pot Life	Up to 20 minutes at 20°C.
Mix Ratio (by weight)	100 parts resin : 50 parts curing agent.
Cleaning Tools	It is not practical to clean applicators and they should be discarded after use.
Shelf Life	24 months in unopened container.
Storage	Between 15°C - 25°C for at least 8 hours prior to use. Do not allow to freeze.
Principle Limitations	Do not apply to a damp surface since 4-Hour Epoxy Primer relies upon penetration.
Please contact us regarding applications not described here.	4 Hour Epoxy Primer is intended for use prior to applying an epoxy paint coatings.

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Test Results

<p>ABRASION RESISTANCE ISO 5470-1 147mg</p>	<p>Abrasion Resistance ISO 5470-1</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>3000mg —————> 0mg Lowest —————> Highest</p>	<p>FLEX ISO 1519 2mm</p>	<p>Flexibility 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>ADHESION EN 1542 2.8MPa/Nmm²</p>	<p>Adhesion Test EN 1542</p> <p>Adhesion is expressed in MegaPascals (MPa) or Newton millimetres squared (Nmm²). Greater than 2 MPa is a CE mark pass.</p>	<p>>2MPa (Nmm²)= test pass</p>	<p>WATER PERMEABILITY EN 1062-3 W₃</p>	<p>Water Permeability EN 1062-3</p> <p>To achieve a CE mark, the measurement must be less than 0.1 kg/m²(24 h)0.5</p>	<p>CE Marking Critical Value: < 0.1kg/m²/(24 h)0.5</p> <p>W₁ —————> W₂ —————> W₃ Lowest —————> Highest</p>

Standard Compliance

<p>BREEAM COMPLIANT</p>	<p>BREEAM COMPLIANT</p>	<p>VOC LEVEL 30g/Litre LOW</p>	<p>VOC LEVEL</p> <p>High Build/ Anti Slip/ Cold Cure/ Cold Cure A/S</p>	<p>ISO 16000</p>	<p>ISO 16000</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>REACH COMPLIANT</p>	<p>REACH COMPLIANT</p>
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