

Epoxicote™ High Build Primer

An epoxy resin primer for bare concrete



Watco Epoxicote High Build Primer is specially designed for use with Watco Epoxicote High Build. Epoxicote High Build is a high performance 100% solids epoxy resin coating which benefits from the use of this primer on bare concrete surfaces. Use the primer on hard, smooth, power floated concrete which would otherwise reject a paint coating. This eliminates the need for grinding or costly shot blasting. Also use on weaker, porous bare concrete surfaces. If a high build coating such as Watco Epoxicote High Build is applied to a porous unsealed concrete surface, air can become trapped in the coating during application and cure and can lead to bubbles in the finished floor. This primer prevents this from happening.



Colour



Light Grey

Areas of use:

- Priming any bare concrete surface before applying Watco Epoxicote High Build
- Smooth, hard, power floated concrete

Features:

- Primes hard, smooth or power floated concrete ready for painting
- Seals porous concrete to prevent air entrapment (bubbles) in new paint coatings
- One coat application – quick and easy to apply
- Low odour, two part, water based epoxy resin
- Ready for overcoating with Watco Epoxicote High Build after 12 hours at 20°C

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 **Epoxicote High Build 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 – if surface laitance is present remove using Watco Etch & Clean. Flush with clean water and allow the surface to dry. If residual damp remains, this is acceptable as Epoxicote High Build Primer is breathable.

New concrete – should be left for four weeks to dry in the summer and six in the winter. Should surface laitance be present, prepare the floor using Watco Etch & Clean. Flush with clean water and allow the surface to dry.

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

Best results are obtained in warm (minimum 15°C), dry conditions with good ventilation. Apply with a medium pile roller, working well into the surface of the concrete. Do not exceed the maximum coverage of 18m² per 3 litre pack, per coat.

4 Safety

Material Safety Data Sheets are available.

5 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	Water based epoxy resin.
Number of Components	1 x curing agent and 1 x resin.
Finish	Smooth, matt, grey finish.
Number of Coats	1
Dry Film Thickness	120 microns.
Wet Film Thickness	160 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	Bare, unsealed concrete. The moisture content of concrete should be less than 75% RH.
Pack Size	3L
Coverage	18m ² per 3L.
Pot Life	Up to 2 hours at 20°C.
Mix Ratio (by weight)	100 parts curing agent : 20 parts resin.
Cleaning Tools	Warm soapy water.
Shelf Life	24 months in unopened containers.
Storage	Between 15°C-25°C for at least 8 hours prior to use. Do not allow to freeze.
Principle Limitations	Unsuitable for bare metal. Most self-levelling compounds cannot be painted – please ask for details. Please contact us regarding applications not described here. Use only with Watco Epoxicote High Build.

Curing Time

	Touch Dry	Overcoat
10°C	12 hours	24 hours
20°C	6 hours	12 hours

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Test Results

<p>ABRASION RESISTANCE ISO 5470-1 82mg</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>ADHESION ISO 2409 CLASS0</p>	<p>Adhesion Test 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>ADHESION EN 1542 3.4MPa/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>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>IMPACT RESISTANCE ISO 6272 CLASS3</p>	<p>Impact Resistance ISO 6272</p> <p>Impact is expressed as Newton metres. Greater than 4 Nm is a CE mark pass.</p>	<p>Class 1 >4Nm Class 2 >10Nm Class 3 >20Nm</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 W₁ → W₂ → W₃ Lowest → Highest</p>

Standard Compliance

<p>EN 1504-2</p>	<p>This mark indicates that a coating has passed all the tests required to carry a CE mark.</p>	<p>BREEAM COMPLIANT</p>	<p>BREEAM COMPLIANT (for refurbishment)</p>	<p>VOC LEVEL 10g/Litre VERY LOW</p>	<p>VOC LEVEL</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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