

# Polyaspartic Primer

## For use with Watco Specialist Polyaspartic Coatings



Watco Polyaspartic Primer is a unique, two part resin that has been specially designed before to using Watco's range of polyaspartic coatings. When applied by roller, Polyaspartic Primer primes and seals very porous or high suction surfaces (such as sand and cement screed) to ensure a uniform finish and help prevent air entrapment bubbles in the subsequent coating. Polyaspartic Primer cures quickly, after just one hour it leaves a tacky finish which can then be overcoated. This product can also be beneficial when overcoating an existing, well-bonded paint before using a Watco Polyaspartic coating as a top coat. Use with the following Watco products: Cold Set Coating, Fastcoat, Food Safe Coating, Protecta-Coat, Safety Coat Cold Cure and Safety Coat Food Safe.

### Areas of use:

- Production areas
- Warehouses
- Showrooms
- Workshops
- Loading bays
- Cold stores, walk-in fridges and freezers
- Interior and exterior

### Features:

- Primes and seals porous, dusty floors prior to painting
- Can be used at minus 10°C to 25°C
- Ready to coat in one hour
- Colours and protects with just one coat
- Superior performance demonstrated by ISO testing to CE Mark EN1504-2



## 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 **Polyaspartic primer**.

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



# Polyaspartic Primer

## 1 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 surface to dry. For the removal of heavier deposits of oil and grease we recommend Watco Concroff<sup>®</sup>. Flush with clean water and allow the surface to dry.

**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 applying this primer.

**Painted surfaces** - Diamond grind the surface prior to application to achieve a consistently rough profile, and ensure all weakly bonded material is removed. Glossy or inadequately prepared surfaces may cause adhesion issues, so a thorough inspection is recommended to ensure no areas are missed, a bristle blaster can be used in any hard-to-reach areas. Thoroughly sweep the area following grinding; any loose material or dust can compromise adhesion. Bio-D can be used to remove any grease and oil from the surface following the grinding process, however, surfaces washed with Watco Bio D must be then thoroughly rinsed with water and allowed to dry fully, prior to coating.

**Application in low temperatures** – if applying in cold conditions, the product should ideally be stored in a warm room at least 8 hours prior to use. If the temperature is below 5°C, avoid getting the floor wet, due to the difficulty in drying. A good sweep or mechanical brushing may be sufficient.

## 2 Mixing

Mix between 10°C and 25°C. Remove the two inner tins from the tall outer tin. Stir 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 consistency is 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 side and bottom of the tin. Do not dilute.

## 3 Application

Apply between minus 10°C and 25°C. Empty the mixed components into a paint tray and apply to the floor using a microfibre roller (not a medium pile or foam), 'working out' the primer into a thin paint film. A paint brush can be used for cutting in. Do not apply too thickly since this will result in reduced coverage.

## 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

<b>Composition</b>	High solids, polyaspartic resin.
<b>Number of Components</b>	2
<b>Finish</b>	Clear.
<b>Number of Coats</b>	1
<b>Dry Film Thickness</b>	85 microns.
<b>Wet Film Thickness</b>	100 microns.
<b>Usage Interior/Exterior</b>	Interior & exterior.
<b>Application Tools</b>	Microfibre roller. Cut in using a brush.
<b>Minimum Application Temperature</b>	Air temperature minus ,10°C Floor temperature minus 10°C.
<b>Suitable For</b>	Concrete, asphalt, sand and cement screeds, well bonded paint, some metals and wood.
<b>Pack Size</b>	2.5L
<b>Coverage</b>	25m <sup>2</sup> per coat onto a non-porous surface. 10-15m <sup>2</sup> onto a porous or textured surface. If applying in temperatures below 0°C coverage may be reduced.
<b>Pot Life</b>	15°C = 20 minutes. Less than 15°C = 30 minutes.
<b>Mix Ratio (by weight)</b>	100 parts resin : 59 parts curing agent.
<b>Cleaning Tools</b>	It is not practical to clean applicators and they should be discarded after use.
<b>Shelf Life</b>	12 months in unopened containers.
<b>Storage</b>	Between 15°C - 25°C for at least 8 hours prior to use. Do not allow to freeze.
<b>Principle Limitations</b>	Do not apply to damp surfaces. Do not apply if rainfall is imminent. Most self-levelling compounds cannot be painted – please ask for details. Painting chequer paint can be a problem since coatings can wear prematurely off the 'high spots'.
Please contact us regarding applications not described here.	

## Curing Time

(Floor Temperature)	Recoat Time	Touch Dry
12 hours	24 hours	16 hours
0°C	12 hours	8 hours
10°C	6 hours	4 hours
20°C	4 hours	2 hours

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## Test Results

<p>ABRASION RESISTANCE ISO 5470-1 361mg</p>	<p><b>Abrasion Resistance ISO 5470-1</b> 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><b>Flexibility ISO 1519</b> 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 CLASS2</p>	<p><b>Impact Resistance ISO 6272</b> 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>GLOSS VALUE 96</p>	<p><b>Gloss Value</b> 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>ADHESION ISO 2409 CLASS0</p>	<p><b>Adhesion Test ISO 2409</b> 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>WATER PERMEABILITY EN 1062-3 W<sub>3</sub></p>	<p><b>Water Permeability EN 1062-3</b> To achieve a CE mark, the measurement must be less than 0.1 kg/m<sup>2</sup>(24 h)0.5</p>	<p>CE Marking Critical Value: &lt; 0.1kg/m<sup>2</sup>/(24 h)0.5 W<sub>1</sub> → W<sub>2</sub> → W<sub>3</sub> Lowest → Highest</p>
<p>ADHESION EN 1542 3.0MPa/Nmm<sup>2</sup></p>	<p><b>Adhesion Test EN 1542</b> 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>			

## Standard Compliance

<p>EN 1504-2 CE</p>	<p><b>EN 1504-2</b> This mark indicates that a coating has passed all the tests required to carry a CE mark.</p>	<p>BREEAM COMPLIANT ✓</p>	<p><b>BREEAM COMPLIANT</b> (for refurbishment requirements)</p>	<p>VOC LEVEL 500g/Litre MEDIUM</p>	<p><b>VOC LEVEL</b></p>	<p>ISO 16000 A+ PA TEL C</p>	<p><b>ISO 16000</b> 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><b>REACH COMPLIANT</b></p>
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