

# Powerfloat Primer Powerfloat Primer Rapid

An epoxy resin primer for smooth surfaces

Watco Powerfloat Primer is a virtually solvent free, two part, water based, epoxy resin primer designed for application to smooth, non-porous surfaces which are prone to rejecting paint. The traditional way of preparing a power floated or polished concrete floor is by means of mechanical preparation, such as shot blasting. Shot blasting can be expensive and can texture the surface leaving 'tram line' marks. One coat of Watco Powerfloat Primer eliminates the need for this mechanical preparation, and so retains the attractive smooth power floated finish.

**Powerfloat Primer** (available in Grey or Clear) - Powerfloat Primer can be over coated with most Watco coatings within 12 hours (based on a temperature of 20°C). If the intention is to overcoat Powerfloat Primer with a solvent based floor coating, such as Watco Concrete Floor Paint, it should be left for 5 days to thoroughly cure. We always recommend using Powerfloat Primer in the standard grey finish when using a coloured floor coating and the clear version of Powerfloat Primer Rapid when applying a clear floor sealer such as Watco Protecta-Coat. If more than 5 days elapse after using the primer before applying the top coat, it should be lightly abraded to provide a key.

**Powerfloat Primer Rapid** (available in Grey only) - is a fast drying formulation which allows the floor to be over coated with a water based coating within just 4-6 hours (based on a temperature of 20°C) which enables the area to be put back into use as quickly as possible. When using a non water based coating, it's essential that Powerfloat Primer Rapid is allowed to thoroughly dry so that all the water contained in the primer has escaped. Therefore, we recommend leaving the primer for 8 hours before applying a non water based Watco coating, such as Watco Fastcoat (polyaspartic resin) or Watco Epoxicote High Build (100% solids epoxy) or 5 days for a solvent based coating, such as Watco Concrete Floor Paint. If more than 5 days elapse after using Powerfloat Primer Rapid before applying the top coat, the primer should be lightly abraded to provide a key. Both Powerfloat Primer and Powerfloat Primer Rapid now carry CE mark EN 1504-2 and have impressive test results for adhesion, abrasion and impact resistance as well as for flexibility. They are also breathable and have an A+ VOC emissions rating with a low level of VOC.

**Please note:** Whilst Powerfloat Primer avoids the use of mechanical preparation, diamond grinding or shot blasting does provide a better finish overall and is recommended. For smaller areas where mechanical abrasion is difficult Powerfloat Primer is a great back-up option.



## Areas of use:

- Priming power floated, very smooth or non-porous concrete floors which are prone to rejecting paint

## Features:

- Primes hard, smooth surfaces ready for painting
- Eliminates the need for costly shot blasting or grinding
- One coat application - quick and easy to apply
- Grey or clear options available
- Ready for overcoating in 12 hours, or 4 - 6 for the rapid version
- Low odour
- Superior performance demonstrated by ISO testing to CE Mark EN 1504-2

## Colours



Clear



Grey\*

\*Powerfloat Primer Rapid available in Grey only.

## 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 **Powerfloat Primer**.

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



# Powerfloat Primer

## Powerfloat Primer Rapid

### 1 Surface Preparation

**Bare concrete** – if surface laitance is present, remove by using Watco Etch & Clean. Flush with clean water and allow the surface to dry. If residual damp remains this is acceptable as Powerfloat Primer and Powerfloat Primer Rapid are 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 30m<sup>2</sup> per 5 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.

# Powerfloat Primer

## Powerfloat Primer Rapid

### Specification

<b>Composition</b>	Water based epoxy resin.
<b>Number of Components</b>	1 x curing agent, 1 x resin.
<b>Finish</b>	Powerfloat Primer is available in a smooth, matt grey finish or clear. Clear appears milky until it dries. Rapid is available in matt grey only.
<b>Number of Coats</b>	1
<b>Dry Film Thickness</b>	120microns.
<b>Wet Film Thickness</b>	160 microns.
<b>Usage Interior/Exterior</b>	Interior
<b>Application Tools</b>	Medium pile roller. Cut in using a brush.
<b>Minimum Application Temperature</b>	Air temperature 15°C. Floor temperature 10°C.
<b>Suitable For</b>	Bricks, blockwork, concrete, sand and cement. The moisture content of concrete should be less than 75% RH.
<b>Pack Size</b>	5L
<b>Coverage</b>	30m <sup>2</sup> per SL.
<b>Pot Life</b>	Up to 2 hours at 20°C.
<b>Mix Ratio (by weight)</b>	Powerfloat Primer Grey - 100 parts Curing Agent : 19.5 parts resin. Powerfloat Primer Rapid Grey - 100 parts Curing Agent: 100 parts resin. Powerfloat Primer Rapid Clear - 100 parts Curing Agent : 150 parts resin.
<b>Cleaning Tools</b>	Warm soapy water.
<b>Shelf Life</b>	24 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>	Unsuitable for bare metal. Most self-levelling compounds cannot be painted - please ask for details. Please contact us regarding applications not described here. Highly polished surfaces may require mechanical abrasion before coating, contact us for details

### CURING TIME

	Powerfloat Primer Touch Dry	Powerfloat Primer Rapid Touch Dry
10°C	12 hours	8 hours
20°C	6 hours	4 hours

Please refer to the sections Powerfloat Primer and Powerfloat Primer Rapid for over coat times.

# Powerfloat Primer & Powerfloat Primer Rapid

## Test Results

<b>Powerfloat Primer</b>  ABRASION RESISTANCE ISO 5470-1 82mg	<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.	3000mg → 0mg Lowest → Highest	<b>Powerfloat Primer Rapid</b>  ABRASION RESISTANCE ISO 5470-1 84mg	<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.	3000mg → 0mg Lowest → Highest
<b>Powerfloat Primer</b>  ADHESION EN 1542 3.4MPa/Nmm <sup>2</sup>	<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.	>2MPa (Nmm <sup>2</sup> ) = test pass	<b>Powerfloat Primer Rapid</b>  ADHESION EN 1542 2.0MPa/Nmm <sup>2</sup>	<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.	>2MPa (Nmm <sup>2</sup> ) = test pass
<b>Powerfloat Primer &amp; Rapid</b>  IMPACT RESISTANCE ISO 6272 CLASS3	<b>Impact Resistance ISO 6272</b> Impact is expressed as Newton metres. Greater than 4 Nm is a CE mark pass.	Class 1 >4Nm Class 2 >10Nm Class 3 >20Nm	<b>Powerfloat Primer &amp; Rapid</b>  FLEX ISO 1519 2mm	<b>Flexibility ISO 1519</b> Flexibility is measured using a Mandral Flex Tester, 2mm is the most flexible, 36mm the least.	36mm → 2mm Lowest → Highest
<b>Powerfloat Primer &amp; Rapid</b>  ADHESION ISO 2409 CLASS0	<b>Adhesion Test ISO 2409</b> Cross-Cut Test method. Class 0 is highest adhesion, Class 5 is lowest.	Class: 5 → 4 → 3 → 2 → 1 → 0 Lowest → Highest	<b>Powerfloat Primer &amp; Rapid</b>  WATER PERMEABILITY EN 1062-3 W <sub>3</sub>	<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	CE Marking Critical Value: < 0.1kg/m <sup>2</sup> /(24 h)0.5 W <sub>1</sub> → W <sub>2</sub> → W <sub>3</sub> Lowest → Highest

## Standard Compliance

 EN 1504-2 CE	<b>EN 1504-2</b> This mark indicates that a coating has passed all the tests required to carry a CE mark.	 BREEAM COMPLIANT	<b>BREEAM COMPLIANT</b> (for refurbishment)	 VOC LEVEL 10g/Litre VERY LOW	<b>VOC LEVEL</b>	 VOC LEVEL 30g/Litre VERY LOW	<b>VOC LEVEL</b>	 ISO 16000 A+	<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.	 REACH COMPLIANT	<b>REACH COMPLIANT</b>
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