

# New Concrete Primer

Primes and seals newly laid concrete for early painting



Watco New Concrete Primer is a two pack, virtually solvent free, epoxy resin liquid damp-proofer. This one coat application suppresses residual moisture in new concrete, allowing the floor to be coated and put into use quickly without waiting for the concrete to dry out. Most coatings cannot normally be applied until the new concrete moisture content has reduced to less than 75% RH (relative humidity), which can take several weeks or months depending on the depth of the concrete. New Concrete Primer will tolerate up to 98% RH. Watco New Concrete Primer can be overcoated with most types of floor paint after approximately 16 hours. The special formulation encourages penetration and good adhesion, and the flow control agents help resist air pinholes forming, essential in a damp proofing coating.



## Areas of use:

- Newly laid concrete
- Sand & cement screed
- Suitable for areas subject to heavy traffic

## Features:

- Suppresses moisture which enables newly laid concrete floors to be painted and put into use quickly
- Virtually solvent free, epoxy resin liquid moisture barrier
- Withstands up to 98% RH (relative humidity)
- Ready for over coating in 16 hours
- Suitable for heavy wear areas
- Flexible
- Can be used with underfloor heating systems

## 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 **New Concrete Primer**.

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



# New Concrete Primer

## 1 Surface Preparation

**Concrete & sand and cement screed** - should be sound, clean and free of any contaminants liable to prevent penetration into the substrate or adhesion to surface. Machine scarifying or shot blasting are ideal ways to clean and prepare the large areas of concrete and remove contaminants. Use a vacuum to remove all surface dust.

**Very smooth or power floated concrete** - should be shot blasted to provide a good key for New Concrete Primer to bond to. Use a vacuum to remove all surface dust.

**Underfloor heating systems** - should be switched off at least two days prior the application of New Concrete Primer and left for a minimum of two days to before switching back on. Once switched on, the underfloor heating should gradually be turned up a few degrees at a time.

## 2 Mixing

The product comprises of a resin and curing agent packed in a plastic container. Remove the lid from the container and remove the 'top chamber' which contains the curing agent. Tip the contents of the top chamber into the container and mix with the resin. Mix thoroughly using a wide bladed tool (a piece of batten is ideal). Scrape around the sides and bottom of the container to ensure the product is well mixed. This is fine for a small number of units however, if you have multiple packs to mix we recommend a paint stirrer in a slow speed electric drill.

## 3 Application

**Important** - once the contents of the pack have been mixed, a chemical reaction takes place which creates heat, therefore, the product should be decanted into a roller tray and used immediately.

Best results are obtained in warm (minimum of 15°C), dry conditions with good ventilation. Apply with a medium pile roller (not foam) and work well in the surface of the concrete. One thick (250 microns) coat is usually sufficient. The coating should cover the substrate leaving no pin holes or missed patches. Most reasonable quality new concrete will cover successfully with one coat. Inspect the surface once the first coat has dried. Apply a second coat to cover any patches which may have been missed or where trapped air has caused pinholes. The product contains special wetting agents which help prevent air bubbles for If ming the on intention most is concrete surfaces.

**Repairs/Resurfacing** - If the intention is to apply a floor screed or resurfacer, such as Watco Flowtop<sup>®</sup>, or Concrex<sup>®</sup> to the New Concrete Primer, then 2 coats are required. Please blind the second coat with dry sand to provide a key for the overlay material.

## 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.

# New Concrete Primer

## Specification

<b>Composition</b>	Flexible, high build, resin with wetting agents.
<b>Number of Components</b>	1 x curing agent, 1 x resin.
<b>Colour</b>	Dark Grey.
<b>Primer Required</b>	No.
<b>Number of Coats</b>	See 'Application' on p.2'.
<b>Dry Film Thickness</b>	250 microns.
<b>Wet Film Thickness</b>	250 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>	Concrete, sand & cement screeds and underfloor heating systems. The moisture content of concrete should be no more than 98% RH.
<b>Pack Size</b>	8kg (5. 75L).
<b>Coverage</b>	20-25m <sup>2</sup> per 8kg at 250 microns.
<b>Pot Life</b>	1 hour at 15°C.
<b>Cleaning Tools</b>	It is not practical to clean the roller sleeves and they should be discarded after use.
<b>Shelf Life</b>	6 months in unopened container. The quality of the product will not deteriorate for some years. The 6 month guide is given because there may be some settlement which can require some effort to mix.
<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> Please contact us regarding applications not described here.	If the surface to be primed is very porous or open textured, trapped surface air may cause pinholes. The first coat should be inspected on such surfaces and a second coat applied in any patches where pinhole air holes exist. Do not exceed the coverage stated - mark out an area of 2Sm <sup>2</sup> per pack to avoid applying it too thinly. Once mixed, use immediately, and finish within 1 hour. Do not part mix. Only mix enough packs that can be used within the working life.

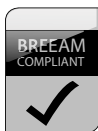
## Curing times\*

	Recoat Time	Touch Dry	Overcoating Time
10°C	7 - 10 hours	16 hours	Allow 16 hours at 15°C before applying any Watco 100% solids coating such as Epoxicote™ High Build, Chemi-Coat®, Safety Grip®, Bund Sealer.. Allow 24-48 hours before applying water based products such as Watco Epoxy Gloss Coat or Safety Coat. If more than 4 - 5 days have elapsed before overcoating, New Concrete Primer should be lightly abraded to provide a key.
15°C	4 - 6 hours	8 hours	
20°C	3 - 4 hours		

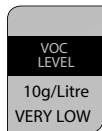
\*Curing times quoted are for touch dry or 'walk on'

# New Concrete Primer

## Standard Compliance



**BREEAM  
COMPLIANT**  
(for refurbishment)

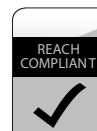


**VOC LEVEL**



**ISO 16000**

The 'Loi Grenelle' measurement of the effect of a product's VOC level within a building. A+ is the top safety rating.



**REACH  
COMPLIANT**