Technical Data Sheet

Epoxy Damp Proof Membrane

Holds back rising damp on new or old concrete floors

Watco Epoxy Damp Proof Membrane can be used on new or old concrete and sand and cement floors to hold back damp. If a DPM has failed or perhaps was never installed in the first place, the features of this product will effectively suppress vapour and hold back damp. It can be overcoated after 16 hours with any Watco 100% solids coating such as Epoxicote High Build, Chemi-Coat, Safety Grip or Bund Sealer and after 24-48 hours with a water based Watco coating such as Epoxy Gloss Coat or Safety Coat. One thick roller applied coating is sufficient on average or good quality concrete.

Areas of use:

- Concrete floors subject to rising damp
- New or old concrete floors where a DPM has failed or was never installed
- Suitable for heavy wear areas
- Use on areas of damp concrete which cannot be surface dried prior to painting

Features:

- Virtually solvent free liquid epoxy resin damp proofer
- 100% solids, high build coating
- Holds back rising damp where a damp proof membrane is either missing or defective
- Withstands 98% RH (relative humidity)
- Can be over painted after 16 hours with most types of floor coatings
- Special wetting and flow agents prevent 'air pin holes' which often occur when using a high build epoxy on bare concrete

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 **Epoxy Damp Proof Membrane.**

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

Watco UK Ltd, Eastgate Court, 195-205 High Street, Guildford, Surrey, GU1 3AW
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1 Surface Preparation

Concrete & sand and cement screed - should be sound, clean and free of contaminants liable to prevent penetration into the substrate or adhesion to any surface. Machine scarifying or shot blasting are ideal ways to clean and prepare the 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 the Epoxy Damp Proof Membrane to bond to. Use a vacuum to remove all surface dust.
Underfloor heating systems - should be switched off at least two days prior to the application of Epoxy Damp Proof Membrane and left for a minimum of two days 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, mixing 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. 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 ventilation. Apply with a medium pile roller (not foam) working well into the concrete surface. 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 that have been missed or where trapped air has caused pinholes. The product contains special wetting agents which help prevent air bubbles forming on most concrete surfaces.
Repairs/Resurfacing - if the intention is to apply a floor screed or resurfacer, such as Watco Flowtop® or Concrex® to the Epoxy Damp Proof Membrane, then 2 coats are required. Please bind the second coat with dry sand to provide a key for the overlay are 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.

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Epoxy Damp Proof Membrane

Specification

Composition	Flexible, high build epoxy resin with wetting agents.
Number of Components	1 x curing agent, 1 x resin.
Colour	Dark Grey.
Primer Required	No.
Number of Coats	Usually 1 (see 'Application' on P.2).
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	Concrete, sand & cement screeds and underfloor heating systems. The moisture content of concrete should be no more than 98% RH.
Pack Size	8kg (5. 75L).
Coverage	20-25m^2 per 8kg at 250 microns.
Pot Life	1 hour at 15°C.
Cleaning Tools	It is not practical to clean the roller sleeves and they should be discarded after use.
Shelf Life	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.
Storage	Between 15°C - 25°C for at least 8 hours prior to use. Do not allow to freeze.
Principle Limitations 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. Do not exceed the coverage stated - mark out an area of 25m^2 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*

	Touch Dry	Overcoating Time
10°C	7 - 10 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, Epoxy Damp Proof membrane should be lightly abraded to provide a key.
15°C	4 - 6 hours	
20°C	3 - 4 hours	

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

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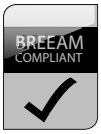
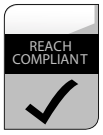
Standard Compliance



BREEAM COMPLIANT
(for refurbisment)

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

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