

Curing Membrane WB

Water-Based Curing Membrane



Product Overview

Curing compound for use with Flexcrete Repair and Protection Systems.

Uses

To aid curing of Flexcrete repair mortars and cementitious coatings.

Advantages

- Spray as supplied onto freshly placed repair mortars, fairing coatings, cementitious coatings or concrete.
- Convenient alternative to traditional curing aids such as polythene sheeting, damp hessian or sand.
- Non-yellowing, stable product which does not significantly alter the appearance of mortar/concrete.
- Retains over 85% of the water in the repair mortar during the first 72 hours.
- Safe, water-based product - ideal for confined areas.
- Non-degrading membrane which enhances adhesion when overcoated with Flexcrete specialist membranes.

Description

CURING MEMBRANE WB is a non-degrading acrylic resin sealer which forms an elastic, durable matrix within the surface of cementitious substrates. When used with Flexcrete mortars and coatings, it conforms to the requirements for water retention given in ASTM C309. The product is water-based and has BBA Certification, making it ideal for use in confined areas. When cured, it has excellent resistance to blushing and weathering and can also be used as a sealer coat for concrete.

Compliance

BBA Approved, Certificate No. 05/4276.

Technical Data

Property	Standard
Specific Gravity	1.03 at 20°C.
Colour	White liquid
Flashpoint	N/A (Water-based)
Viscosity (Brookfield)	64cps
Application Rate	5-7m ² /litre/coat
Coverage	25-35m ² per 5 litre pack
Packaging	5 litre units
Health & Safety	SDS available on request

Placing and Overcoating

CURING MEMBRANE WB should be spray applied to the surface of newly placed Flexcrete cementitious mortars and coatings. Application should take place as soon as practicable after final finishing, once any residual surface water from trowelling has evaporated, but generally within 15 minutes. Apply using a conventional pressure spray with a fine nozzle at 5-7m²/litre, taking care to ensure complete and even mist application. Best results are achieved by holding the nozzle approximately 0.5 to 1m from the surface, whilst spraying backwards and forwards over small measurable sections (1 to 5m²). For maximum curing efficiency, if the surface is subject to strong sunlight or drying winds, a second mist coat should be applied once the first coat has dried and the membrane film has formed. This waiting time is generally 15 minutes, whilst the first coat is still tacky, depending upon climatic conditions.

Treated surfaces must be cured for a minimum of 72 hours before overcoating with a Flexcrete specialist membrane to ensure maximum adhesion.

Cleaning and Storage

Clean all tools with water immediately after use. **CURING MEMBRANE WB** can be stored for 12 months in dry, frost free conditions in original sealed containers. Protect from temperatures $\geq 40^{\circ}\text{C}$ for prolonged periods.

Application Top Tips

1. Apply as an even fine mist spray - **DO NOT** over apply or allow to pond on the surface.
2. Can be overcoated with Flexcrete membranes to give a coloured, aesthetic finish. Treated surfaces should be allowed to cure for a minimum of 72 hours before overcoating to ensure maximum adhesion.
3. Regularly clean spray nozzles to avoid blockages.
4. Cold Weather Working (See separate Guide)
 - $\geq 3^{\circ}\text{C}$ (rising thermometer) / $\geq 5^{\circ}\text{C}$ (falling thermometer).
 - Do not use any product which has been frozen.
5. Protect from prolonged storage $\geq 40^{\circ}\text{C}$.

The information herein is correct to the best of our knowledge, but it does not necessarily refer to the particular requirements of the customer. If the customer has any particular requirements it should make them known in writing to Flexcrete Technologies Limited, and obtain further advice accordingly.

