Cure-Seal WB

Curing Membrane & Clear Sealer

Product Overview

Water-based curing compound and clear sealer for Flexcrete Repair and Protection Systems.

Description

CURE-SEAL WB is a non-degrading acrylic resin sealer which forms a clear, elastic, durable matrix on the surface of cementitious substrates.

When used as a curing membrane on Flexcrete mortars and coatings, it conforms to the requirements for water retention given in ASTM C309. It can also be used as a sealer coat for concrete.

CURE-SEAL WB is also used as a clear lacquer which can be applied to damp but surface-dry substrates to form a tough, glossy finish. When used in combination with **CEMPROTEC E-FLOOR**, it seals in and retains aggregate to provide enhanced slip and abrasion resistance.

Uses

To aid curing of Flexcrete repair mortars and cementitious coatings. Also used to seal Flexcrete cementitious flooring systems for light to moderate traffic.

Advantages

- Convenient alternative to traditional curing aids such as polythene sheeting, damp hessian or sand.
- Spray applied when used as a curing membrane.
- Can be roller applied on floors after overnight cure.
- Allows controlled release of substrate moisture.
- Odourless water-based product, ideal for internal use.
- Does not degrade on external exposure.
- Non-yellowing, light gloss appearance.
- Does not blush when wet.
- Enhances adhesion of subsequent coatings.
- Retains aggregate broadcast for slip resistant flooring.

Compliance

- BBA Approved, Certificate No. 05/4276.

Application – Curing Membrane

CURE-SEAL WB should be spray applied over freshly placed Flexcrete cementitious mortars and coatings. Apply as soon as practicable after final finishing when residual surface water from trowelling has evaporated (generally within 15 minutes).

Use a conventional pressure spray with a fine nozzle at 5-7m²/litre, taking care to ensure complete and even mist application. Hold the nozzle approximately 0.5-1m from the surface and spray back and forth over small sections (circa 1-5m²).

For maximum efficiency, if the surface is subject to strong sunlight or drying winds, apply a second mist coat once the first coat has formed a film but is still tacky. The waiting time is generally 15 minutes 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.

Application – Floor Sealer

The areas to be treated must be free from any standing water and all unsound material including dust, oil, grease, corrosion by-products and organic growth. Cure sanded **CEMPROTEC E-FLOOR** for a minimum of 4 hours before proceeding.

CURE-SEAL WB should be poured out and spread to a coverage rate of 5m²/litre with a rubber squeegee and then back rolled to provide an even finish. Coverage may be affected by the particle size of the sand.

Allow to cure for a minimum of 12 hours before subjecting the area to any foot traffic. Regular trafficking of the area should only commence after a curing time of 5 days.

Cleaning and Storage

- All tools should be cleaned with water immediately after use.
- Materials can be stored for 24 months in dry, frost free conditions in original sealed containers. Protect from temperatures ≥40°C for prolonged periods.

Coverage

- Used as a curing membrane:

Application Rate	Coverage
5-7m²/litre/coat	25-35m² per 5 litres

- Used as a sealer on sanded surfaces:

Application Rate	Coverage
5-7m²/litre/coat	25-35m² per 5 litres

Health and Safety

- Safety Data Sheets are available on request.

Application Top Tips

1. **DO NOT** over apply or allow to pond on the surface.
2. Avoid entrapping air as this may result in a milky finish
3. Regularly clean spray nozzles to avoid blockages.
4. On floors, consider pouring in a snaking pattern before spreading and back rolling to ensure even coverage.
5. On large areas, mark out an area equating to the coverage indicated in the guide table, pour out the sealer in a snaking pattern
6. Where tape is used to delineate areas, remove before drying to leave a clean, sharp edge.
7. For external heavily trafficked areas, consider using an alternative epoxy or polyurethane coating.
8. Cold Weather Working (See separate Guide)

- ≥3°C. on a rising thermometer.
- ≥5°C. on a falling thermometer.
- Do not use any product which has been frozen.

Technical Data

Property	Standard
Specific Gravity	1.03 at 20°C
Solids Content	35% by weight
Viscosity (Brookfield)	64cps
Touch Dry Time	15 minutes at 20°C
Flashpoint	N/A (Water-based)
Colour	White liquid, dries clear
Curing Efficiency	Retains >85% moisture in first 72 hours
Abrasion Resistance BS 8204: Part 2	Class AR1 (When tested over Cemprotec E-Floor)