



# FORMSAFE

## Eco-Friendly Concrete Release, Curing & Sealing

### ECOCURE SEALER

#### Water Based Concrete Curing & Sealing Compound

##### DESCRIPTION

ECOCURE SEALER is a water based, low odour, membrane forming liquid for curing, sealing and dustproofing concrete. ECOCURE SEALER is suitable for use over new and old concrete and performs well on both interior and exterior concrete.

ECOCURE SEALER is a white, opaque liquid. After application and drying, the film is clear with a slight glossy appearance. Heavy applications and/or prolonged exposure to moisture will cause the cured film to have a milky appearance. Drying will allow the sealer to become clear again.

##### BENEFITS

- Forms an efficient moisture barrier for optimum curing of concrete
- Seals concrete surfaces to protect against the effects of weathering
- Hardens concrete surfaces by promoting proper cement hydration
- Helps eliminate dusting through good strength development
- Dries to a clear transparent film that resists yellowing under exterior or ultraviolet exposure (see Precautions/Limitations)
- Gives an alternative to solvent based materials where fumes may be objectionable, undesirable, or noncompliant

##### SPECIFICATIONS / COMPLIANCES

- SI 2773 VOC in Paints, Varnishes etc
- ASTM C-309, Type I, Class A & B
- AASHTO M-148, Type I, Class B
- This product meets all air quality standards for California, New Jersey and locales with similar clean air restrictions
- U.S.D.A. approved for use in facilities where this sealer may come into incidental contact with food products.
- This product meets V.O.C. contents in accordance to EPA 40 CFR Part 59 Table I Subpart D for Concrete Curing Compounds with a maximum V.O.C. content of 700 g/l

##### INSTRUCTIONS FOR USE

**Surface Preparation** - The concrete surface must be clean and free of standing water. Remove any sealer or other material that may prevent adhesion of the ECOCURE SEALER.

**Mixing** - ECOCURE SEALER requires no pre-blending and should be used directly from the container.

**Application** - Apply at a uniform coverage by spray or roller application. Product may be sprayed with a hand held "pump-up" sprayer or with an airless industrial sprayer. If roller applied, use a short 8-10mm nap sleeve.

**Curing** - For the best cure of freshly placed concrete, apply ECOCURE SEALER as soon as possible after finishing operations and/or immediately after the disappearance of the "sheen" of surface moisture.

**Sealing** - When sealing old concrete, remove contaminants and stains such as waxes, grease and oil with strong soaps or caustics rather than acids. **The surface must be clean and dampened with water prior to application; however, any standing water should be removed.**

Apply ECOCURE SEALER at recommended coverage rates. If a second coat is desired, apply within 2-4 hours of the previous coat.

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### SPRAYER CLEANING

Immediately after spraying, clean line and nozzle thoroughly with water.

### COVERAGE

	First Coat	Optional Second Coat
Curing and Sealing New Concrete	5-7 m <sup>2</sup> /litre	7-10 m <sup>2</sup> /litre
Sealing and Dustproofing Old Concrete	6-9 m <sup>2</sup> /litre	9-11 m <sup>2</sup> /litre

\*Coverage rates assume hard trowelled floors. Coverage will vary from the above rates depending on surface porosity and texture.

**AVOID EXCESSIVE BUILD-UP. THICKER APPLICATIONS MAY LEAD TO DISCOLORATION AND IMPROPER SEALER PERFORMANCE.**

### TECHNICAL INFORMATION

#### Typical Engineering Data

The following results were developed under laboratory conditions.

<b>Drying Time* at 21°C, 55% RH</b>	1-2 hours
<b>Recoat Time**</b>	2-4 hours
<b>Foot Traffic</b>	4-6 hours
<b>Wheel Traffic</b>	6-10 hours
<b>VOC Content</b>	<30g/l
<b>Adhesion to Concrete</b>	ASTM D-4541 excellent
<b>Weatherometer testing</b>	
ASTM G-53, @ 500 hours	
<b>Ultraviolet resistance</b>	Good
<b>Chalk resistance</b>	no chalking
<b>Check/peel resistance</b>	no deterioration

\* Low concrete or air temperatures and/or high relative humidity will extend drying times.

\*\* If a second coat is to be applied, application must be within 4 hours to ensure proper intercoat adhesion.

### PACKAGING

210 and 25 litre containers.

### STORAGE

Keep containers sealed. Store in dry conditions at room temperature and away from direct heat. Protect from frost.

When stored correctly in unopened container storage stability is 2 years.

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