ECOCURE SEALER

Water Based Concrete Curing & Sealing Compound

DESCRIPTION

Ecocure Sealer is a water based, low odour, membrane forming liquid for curing, sealing and dust-proofing concrete. Ecocure Sealer is suitable for use over new and old concrete and performs well on both interior and exterior concrete. 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.
- Alternative to solvent based materials where fumes may be objectionable, undesirable or noncompliant.

SPECIFICATION / COMPLIANCES

- SI 2773 VOC in paints, varnishes etc.
- ASTM C-309, Type 1, Class A&B.
- AASHTO M-148,Type1, Class B.
- U.S.D.A. approved in facilities where 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 1 Subpart D for Concrete Curing.
- Compounds with a maximum V.O.C. content of 700 g/l.

APPLICATION

- The concrete surface must be clean and free of standing water.
- Remove any sealer or other material that may prevent adhesion.
- Use direct from the container, apply at a uniform coverage by spray or roller application.
- On new concrete apply as soon as possible after finishing operations and/or immediately after the disappearance of the "sheen" of surface moisture.
- 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.
- If a second coat is desired apply within 2-4 hours of the previous coat.
- Clean line and nozzle thoroughly with solvent cleaner immediately after spraying.

TECHNICAL DATA

Colour	White
Coverage	New concrete 5-7 sq.mts per litre will generally be sufficient. Sealing and dust proofing old concrete 6-9 sq.mts per litre. Coverage will vary from the above rates depending on surface porosity and texture.
Packaging	210 litre drum, 25 litre bottle
Storage	Protect from frost and from source of heat. Keep container closed after use.
Shelf Life	1 year in sealed container when stored as recommended.

Typical Engineering Data – Results were developed under laboratory conditions:

Drying time*	@ 210C, 55% RH	1-2 hours
Recoat time **		2-4 hours
Foot traffic		4-6 hours
Wheel traffic		6-10 hours
VOC Content		< 30 g/l

Adhesion to concrete ASTM D-4541	Excellent

Weatherometer testing ASTM G-53,@ 500 hours:

Ultraviolet resistance	Good
Chalk resistance	No chalking
Check/peel resistance	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 inter-coat adhesion.

IMPORTANT NOTE

Whilst all reasonable care is taken in compiling technical data on the Company's products, all recommendations or suggestions regarding the use of such products are made without guarantee, since the conditions of use are beyond the control of the Company.

It is the responsibility of the customer to satisfy himself that each product is fit for the purpose for which he intends to use it, that the actual conditions of use are suitable, and that in the light of our continual research and development programme the information relating to each product has not been superseded.

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