Product Data

ABCD 658
Issue: 1 Dec08

ADOSAFE

Eco-Friendly Concrete Release, Curing & Sealing

SAFECURE SEALER

Water Based Concrete Curing & Sealing Compound

DESCRIPTION

SAFECURE SEALER is a water based, low odour, membrane forming liquid for curing, sealing and dustproofing concrete. SAFECURE SEALER is suitable for use over new and old concrete and performs well on both interior and exterior concrete.
SAFECURE 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 1, Class A & B
- AASHTO M-148, Type 1, 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 1 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 SAFECURE SEALER.

Mixing - SAFECURE SEALER requires no preblending 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 SAFECURE 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 SAFECURE 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^2/litre	7-10 m^2/litre
Sealing and Dustproofing Old Concrete	6-9 m^2/litre	9-11 m^2/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.

Drying Time* at 21°C, 55% RH	1-2 hours
Recoat Time**	2-4 hours
Foot Traffic	4-6 hours
Wheel Traffic	6-10 hours
VOC Content	<30g/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 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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