TECHNICAL DATA SHEET

CureShield EX

One-Step, Low-VOC Cure & Seal Containing Silane

DESCRIPTION

CureShield EX is a unique solvent-based blend of silane and pure, non-yellowing acrylic copolymers designed to cure, seal, harden and dustproof fresh concrete.

In addition to forming an effective film-forming curing and sealing compound, it also contains silane. Silane penetrates the fresh concrete and provides protection against spalling and deterioration of concrete structures caused by deicing salts. Available with fugitive dye for DOTs.

CureShield EX can be applied to fresh concrete, unlike other siloxane and silane products, and also meets ASTM C309 and C1315 curing standards. CureShield EX penetrates the surface and bonds directly with the substrate, resulting in a surface that is highly resistant to moisture and salt.

MIXING INSTRUCTIONS

Ready to use. Do not dilute.

APPLICATION

Apply with a sprayer in a uniform thin film; spray apply for best results. Apply a single coat uniformly and do not allow to puddle. Apply in accordance with recommended coverage rates. On broom or rough-finished concrete, increase the coverage rate to compensate for the added surface area. Coverage may vary due to porosity and conditions of the concrete.

New Concrete: CureShield EX should be applied as soon as the surface water has disappeared and the concrete surface will not be marred by the walking applicator. At this point, apply in a uniform coat, leaving no gaps. Do not allow the material to puddle.

Resealing: Over time the acrylic membrane can wear off, but the concrete can be resealed with either a penetrating sealer (e.g., SpecShield WB) or a compatible solvent-based SpecChem acrylic sealer. If resealing with a penetrating sealer, perform a water test: if the surface darkens and absorbs water, the concrete will accept the penetrating sealer. When resealing with a solvent-based SpecChem acrylic sealer, thoroughly clean the surface with SpecChem Orange Peel or Berry Clean to remove any contaminants (dirt, grease, etc.).

Note: CureShield EX dries much faster than standard solvent-based products. CureShield EX should not be applied on hot surfaces or in direct sunlight, as this could cause rapid evaporation and will not allow the film to form properly. Under these conditions the film may bubble, peel and/or blush.

Tip: When spraying, keep pressure in pump-up sprayers as high as possible to ensure a steady and even spray pattern. Maintain the sprayer tip near the concrete surface, within 12 inches.

Fugitive Dye Application

Start with 1/2 teaspoon of fugitive blue dye per 5-gallon pail and gradually increase from there. A 1/2-teaspoon measure is included in the package. Agitate after adding the dye until the proper tint is achieved. Avoid adding excessive fugitive dye, which may cause delayed dissipation.

COMPLIANCE/STANDARDS

- Meets ASTM C309/C1315, Type 1, Class A curing standards
- CureShield EX meets VOC emission requirements for curing and sealing compounds (EPA limit < 350 g/L)

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COVERAGE

Application	sq ft/gal	m^2/L
Curing fresh concrete	200–250	4.9–6.1

TECHNICAL DATA INFORMATION

Moisture Loss (ASTM C1315) at 300 sq ft/gal

Test result ..... 0.38 kg/m^2

Required ..... ≤ 0.40 kg/m^2

Alkali/acid resistance ..... Pass

PACKAGING

55-gallon drums (208 L)

5-gallon pails (18.9 L)

SHELF LIFE

Shelf life of CureShield EX in the original, tightly closed containers is two years from the date of manufacture. Do not allow the accumulation of water, dirt or other contaminants.

LIMITATIONS

- Does not provide a base for cementitious materials.
- Not for use in fountains or pools.
- When used with a fugitive dye, the dye will not stain and will fade within a few hours.
- When used over colored concrete, CureShield EX may enhance color variation or imperfections. Prepare a test panel to ensure acceptable results.
- Rubber-wheeled vehicles may leave black marks.
- Contact SpecChem Technical Services for complete application instructions and limitations.

PRECAUTIONS

FLAMMABLE: DO NOT CUT OR WELD CONTAINER

INDUSTRIAL USE ONLY

Additional precautions, safety information and first aid are contained in the Safety Data Sheet (SDS).

KEEP AWAY FROM OPEN FLAME AND DO NOT EXPOSE TO OR APPLY NEAR FIRE. USE ONLY IN EXTERIOR OR WELL-VENTILATED APPLICATIONS.

WARRANTY

NOTICE – READ CAREFULLY

CONDITIONS OF SALE

SpecChem offers this product for sale subject to and limited by the warranty which may only be varied by written agreement of a duly authorized corporate officer of SpecChem. No other representative of or for SpecChem is authorized to grant any warranty or to waive limitation of liability set forth below.

WARRANTY LIMITATION

SpecChem warrants this product to be free of manufacturing defects. If the product when purchased was defective and was within use period indicated on container or carton, when used, SpecChem will replace the defective product with new product without charge to the purchaser. SpecChem makes no other warranty, either expressed or implied, concerning this product. There is no warranty of merchantability. NO CLAIM OF ANY KIND SHALL BE GREATER THAN THE PURCHASE PRICE OF THE PRODUCT IN RESPECT OF WHICH DAMAGES ARE CLAIMED.

INHERENT RISK

Purchaser assumes all risk associated with the use or application of the product.

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