

SUPER DIAMOND CLEAR VOX

HIGH SOLIDS, WATER BASED, NON-YELLOWING CURE AND SEAL

DESCRIPTION

SUPER DIAMOND CLEAR VOX is a high solids acrylic polymer blend curing and sealing compound for freshly placed concrete. This product provides a quality cure and seal while assuring total resistance to yellowing from ultraviolet exposure. The high solids formulation assures highly efficient curing and maximum concrete strength and durability development.

PRIMARY APPLICATIONS

- Interior and exterior concrete surfaces
- Walls and columns
- Driveways
- Basements
- Industrial floors

FEATURES/BENEFITS

- Water-based formulation gives a low-VOC alternative to solvent based systems
- Provides a totally clear membrane for new or existing concrete that will not yellow
- Seals all concrete surfaces providing a glossy appearance and easier clean-up
- Hardens new concrete by promoting a proper cure for increased abrasion resistance
- Dustproofs concrete with a tough durable film
- Helps minimize spalling of exterior concrete

TECHNICAL INFORMATION

Typical Engineering Data

The following results were developed under laboratory conditions.

Drying time* @ 73°F, 50% RH 1 to 2 hours

Recoat 2 to 24 hours

Foot traffic 4 to 6 hours

Wheel traffic 6 to 10 hours

VOC content < 350 g/L

Adhesion to concrete

ASTM D 4541 excellent

Alkali resistance excellent

Weatherometer testing

ASTM G 53, tested at 1000 hours

Ultraviolet resistance no yellowing

Chalk resistance no chalking

Check/peel resistance no deterioration

Solvent resistance minimal

Solids content >25%

Moisture loss ASTM C 156 < 0.40 kg/m²

* *Low concrete or air temperature and/or high relative humidity will extend drying time.*

Appearance: SUPER DIAMOND CLEAR VOX 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.

PACKAGING

SUPER DIAMOND CLEAR VOX is packaged in 55 gal (208 L) drums, 5 gal (18.9 L) pails and 6/1 gal (3.8 L) units per case.

SHELF LIFE

1 year in original, unopened container.

SPECIFICATIONS/COMPLIANCES

- ASTM C 309, Type 1, Class A & B
- ASTM C 1315 Type 1, Class A
- AASHTO M-148, Type 1, Class A & B
- USDA compliant

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SUPER DIAMOND CLEAR VOX

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COVERAGE

300 ft²/gal(7.4 m²/L) Avoid excessive build-up. Application at coverage rates less than 300 ft²/gallon (7.4 m²/liter) can cause the product to become opaque in appearance. Only one coat is required and recommended.

DIRECTIONS FOR USE

Surface Preparation: The concrete surface must be clean and free of standing water. Remove any foreign sealer or other material that may prevent adhesion of the SUPER DIAMOND CLEAR VOX.

Mixing: Agitate before using. Material may separate during long term storage. Mild agitation is recommended before usage.

Application: Apply at a uniform coverage rate by spray or roller application. Product must be sprayed using airless type industrial sprayer. A hand held "pump-up" sprayer will not give sufficient pressure for proper application. If roller applied, use a short napped sleeve.

Curing and Sealing: For the best cure of freshly placed concrete, apply SUPER DIAMOND CLEAR VOX 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. Badly worn or porous surfaces may require a second coat for a uniform appearance.

CLEAN-UP

Clean tools and equipment with warm, soapy water before sealer dries.

REMOVAL

Dried, cured SUPER DIAMOND CLEAR VOX may be removed with strong solvents such as acetone, MEK or toluene. Also acceptable are commercial paint strippers (always heed directions and warning labels). EUCO CLEAN & STRIP is a citrus-based stripper that can be used to remove this product. Alternatively, this product can be removed by sandblasting or by other similar mechanical action.

PRECAUTIONS/LIMITATIONS

- Block all HVAC ventilation ducts which may distribute solvent odor. For low odor job requirements, use SUPER AQUA-CURE VOX.
- Do not apply over concrete that may receive concrete toppings, epoxy coatings, or urethane coatings.
- Although compatible with many carpet, tile and floor covering adhesives, a test section is recommended to ensure good bond of the adhesive to SUPER DIAMOND CLEAR VOX. Complete membrane removal or the use of KUREZ DR VOX is recommended to cure concrete in areas to receive movable carpet squares.
- Do not use as a bond breaker for tilt-up construction.
- Do not allow containers of this product to freeze. Store between 50°F to 100°F (10°C to 38°C).
- For best application results, product temperature should be between 50°F to 100°F (10°C to 38°C) with ambient surface temperatures between 45°F to 110°F (7°C to 45°C).
- Do not thin this product with water or other solvents.
- During the first several weeks after application, this product is sensitive to moisture (rain, sprinklers) and may turn opaque upon exposure. This is a temporary condition and will diminish as the product reaches final cure.
- In all cases, consult the Material Safety Data Sheet before use.

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