

DIAMOND CLEAR VOX

NON-YELLOWING, WATER BASED CONCRETE CURE AND SEAL

DESCRIPTION

DIAMOND CLEAR VOX is a water based acrylic curing and sealing compound. This product provides a quality cure to freshly placed concrete while assuring total resistance to yellowing from ultraviolet exposure. DIAMOND CLEAR VOX promotes proper hydration of cement in new concrete by preventing rapid loss of moisture. Used as a sealer, DIAMOND CLEAR VOX helps concrete repel water and gives surfaces a slightly glossy appearance.

PRIMARY APPLICATIONS

- Curing and sealing new concrete where a non-yellowing membrane with slight gloss is desired

FEATURES/BENEFITS

- Low odor
- Non-yellowing
- ♣ Can contribute to LEED points

TECHNICAL INFORMATION

Material Properties @75°F 50% RH

Viscosity	25 to 50 cp
Solids Content	20%
VOC content	126 g/L
Initial dry time	1 hour
Re-Coat time	2 to 4 hrs

PACKAGING

DIAMOND CLEAR VOX is packaged in 55 gal (208 L) drums, 5 gal (18.9 L) pails and cases of 6/1 gal (3.79 L) containers.

SHELF LIFE

1 year in original, unopened container.

SPECIFICATIONS/COMPLIANCES

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

COVERAGE

Application	ft ² /gal (m ² /L)
Cure/seal new concrete	200 to 300 (4.9 to 7.4)
Seal/dustproof old concrete	300 to 400 (7.4 to 9.8)

The following coverage rates are approximate and for estimating purposes only. Make test applications on actual surfaces to determine exact coverage rates. Additional coats can be used to alter gloss or appearance.

Heavy applications, application in cool, cold, or humid conditions, or prolonged exposure to moisture may cause DIAMOND CLEAR VOX to be powdery or have a milky-white appearance. Follow all application instructions carefully.



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DIRECTIONS FOR USE

Surface Preparation, Existing Concrete: Surface must be structurally sound, clean, free of dust, dirt, laitance, efflorescence, curing compound, paint, oil, grease and other contaminants. Prior to application, surface defects, voids, cracks and joints should be properly treated and repaired. Concrete may be damp, but must be free of standing water. If acid has been used to clean the surface, neutralize the surface prior to using DIAMOND CLEAR VOX. Always test surface pH to insure all acid has been neutralized prior to application.

Freshly Placed Concrete: Horizontal surfaces must be finished and show no surface "sheen" from the moisture. The surface must be able to withstand foot traffic.

Mixing: DIAMOND CLEAR VOX requires no mixing.

Application: Apply DIAMOND CLEAR VOX in an even, continuous film by sprayer, short-napped roller or brush. Use an applicator pad or roller to pick up puddles or excess material from the surface. A second coat may be applied depending upon the desired surface gloss. When applying to fresh concrete, a delay of 24 hours is recommended before application of the second coat. If the delay between the first and second coat results in the contamination of the surface, the surface must be thoroughly cleaned before the application of the second coat. When using DIAMOND CLEAR VOX to seal existing concrete, a second coat may be applied as soon as the first coat has dried 2 to 4 hours at 75°F (24°C). The surface porosity and the amount of surface sheen desired determines the selection of material for the second coat. The sealed concrete can usually be opened to foot traffic in 8 to 12 hours, with maximum sealer durability developed within 7 to 10 days. A light maintenance coat is recommended every 1 to 2 years depending on the concrete's exposure to traffic, abrasion, weathering, etc.

CLEAN-UP

Clean up tools and equipment, overspray and drips with hot, soapy water. Dried product is very difficult to remove.

PRECAUTIONS/LIMITATIONS

- Store between 50°F to 90°F (10°C to 32°C).
- Protect from freezing.
- Before applying the DIAMOND CLEAR VOX to the entire surface, test a small area to verify appearance on the substrate.
- Do not use on glazed surfaces or over ceramic tile.
- Applications which result in excess material on the concrete surface may result in an uneven, "spotty" appearance after cure.
- Heavy applications, applying in cool or cold weather, or prolonged exposure to moisture may cause this product to have a milky appearance.
- High humidity conditions and very hot/windy days will adversely affect drying and performance of this product.
- Do not apply if rain or heavy fog is likely within 8 to 12 hours after application.
- Do not apply DIAMOND CLEAR VOX to frost-filled or frozen surfaces.
- The sealer may darken the surface and may highlight surface imperfections.
- Do not allow to freeze. Use adequate ventilation during application and cure.
- Application temperature range is 45 - 95°F (7 - 35°C).
- In all cases, consult the Material Safety Data Sheet before use.

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