

# 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 helps control hydration of cement by preventing rapid loss of moisture through the surface of newly placed concrete. Used as a sealer, DIAMOND CLEAR VOX helps concrete repel water and gives surfaces a slightly glossy, "wet look".

### PRIMARY APPLICATIONS

- Stamped concrete driveways
- Patios
- Garages
- Commercial buildings

### FEATURES/BENEFITS

- Low odor
- Interior/exterior
- Can contribute to LEED points
- Outstanding resistance to dirt and attack by air pollutants

### 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             |
| Abrasion resistance          |                        |
| CS-17 wheel                  |                        |
| 1000 gram weight/1000 cycles | 0.012 gram weight loss |

### 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
- AASHTO M 148 Type 1
- USDA compliant

### COVERAGE

| Application                 | ft <sup>2</sup> /gal (m <sup>2</sup> /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.



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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. Dry conditions will allow the product to become clear again.
- 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.
- Do not apply below 45°F (7°C).
- In all cases, consult the Material Safety Data Sheet before use.

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