



EUCLID CHEMICAL

# SUPER DIAMOND CLEAR VOX

## VOC Compliant, Non-Yellowing, High Solids Concrete Cure and Seal

### Description

SUPER DIAMOND CLEAR VOX is a VOC compliant, water-based acrylic curing and sealing compound. This product provides a quality cure to freshly placed interior or exterior concrete while assuring total resistance to yellowing from ultraviolet exposure. SUPER DIAMOND CLEAR VOX helps control hydration of cement by preventing rapid loss of moisture through the surface of newly placed concrete. SUPER DIAMOND CLEAR VOX can also be used on existing concrete, giving surfaces a glossy appearance and a protective seal.

### Primary Applications

- Curing and sealing concrete where a non-yellowing, glossy finish is desired

### Features/Benefits

- Very low odor
- Non-yellowing formula
- Subsequent flooring can be applied directly over product (see Precautions/Limitations section)
- Excellent cure and durable seal
- Perfect for interior or exterior projects

### Technical Information

Material Properties @75°F (24°C) 50% RH

| Property                   | Result                   |
|----------------------------|--------------------------|
| Viscosity                  | 40 to 100 cp             |
| Solids content ASTM D 2369 | 25%                      |
| VOC content                | 96 g/L                   |
| Water retention ASTM C 156 | < 0.40 kg/m <sup>2</sup> |
| Initial dry time           | 1 hour                   |
| Recoat time                | 2 to 4 hours             |

### Packaging

SUPER 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
- ASTM C 1315, Type 1, Class A
- 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.

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

## 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 SUPER 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 bleed water.

**Mixing:** SUPER DIAMOND CLEAR VOX requires no mixing.

**Application:** Apply SUPER 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. For a more uniform appearance, especially over decorative concrete, it is recommended to backroll the product after spraying. 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 SUPER 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

- SUPER DIAMOND CLEAR VOX meets the tile adhesive bond requirements of ASTM 1315. However, an on-site test is recommended to verify that the specific adhesives to be used on a project will adequately bond to SUPER DIAMOND CLEAR VOX.
- Store between 50°F - 90°F (10°C - 32°C). Do not allow to freeze.
- Application temperature range is 45° - 95°F (7° - 35°C).
- Do not apply SUPER DIAMOND CLEAR VOX to frost-filled or frozen surfaces.
- 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.
- Before applying SUPER 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.
- The sealer may slightly darken the surface and highlight surface imperfections.
- In all cases, consult the Safety Data Sheet before use.

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