

# SUPER DIAMOND CLEAR

## HIGH SOLIDS, NON-YELLOWING CURING AND SEALING COMPOUND

### DESCRIPTION

**SUPER DIAMOND CLEAR** is a solvent based curing and sealing compound specially designed to cure new concrete, assuring proper cement hydration and strength gain, while providing a non-yellowing seal to protect and enhance the appearance of concrete. This product is suitable for use on interior and exterior concrete surfaces. **SUPER DIAMOND CLEAR** has excellent bonding characteristics and forms a continuous, glossy membrane to make the surface resistant to dirt penetration and other staining. **SUPER DIAMOND CLEAR** is particularly suited for curing and sealing exterior concrete where membrane yellowing is undesirable.

### PRIMARY APPLICATIONS

- Driveways & exterior pavements
- Walls and columns
- Terrazzo floors
- Parking garages
- Exposed aggregate
- Dry shake floors
- Freight terminals
- Curing and sealing decorative concrete

### FEATURES/BENEFITS

- Helps promote development of concrete strength and durability
- Dustproofs concrete with a tough durable film
- Helps minimize spalling of exterior concrete
- Will not yellow under ultraviolet exposure

### TECHNICAL INFORMATION

#### Typical Engineering Data

The following results were developed under laboratory conditions.

<b>Drying time*</b> @ 73°F, 50% RH .....	< 1 hour	<b>Adhesion of asphalt tile</b> .....	passes
<b>Recoat</b> .....	2 to 24 hours	<b>Alkali resistance</b>	
<b>Foot traffic</b> .....	2 to 4 hours	48 hour exposure .....	excellent
<b>Wheel traffic</b> .....	6 to 10 hours	<b>Solvent resistance</b> .....	minimal
<b>Salt spray</b> 500 hours exposure .....	good	<b>Resistance to yellowing</b> .....	excellent
<b>VOC content</b> .....	< 700 g/L	<b>Solids content</b> .....	> 25%
<b>Adhesion to concrete</b> .....	excellent	<b>Moisture loss</b> (ASTM C 156) .....	< 0.40 kg/m <sup>2</sup>

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

**Appearance:** **SUPER DIAMOND CLEAR** is a water clear liquid. After application and drying, **SUPER DIAMOND CLEAR** offers a clear, glossy film. **SUPER DIAMOND CLEAR** will darken concrete, masonry, pavers, etc., giving these materials a "wet" look. Follow recommended coverage rates carefully for best appearance.

### PACKAGING

**SUPER DIAMOND CLEAR** is packaged in 55 gal (208 L) drums, 5 gal (18.9 L) pails and 4/1 gal (3.8 L) units per case.

### SHELF LIFE

3 years in original, unopened container.

### SPECIFICATIONS/COMPLIANCES

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



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## COVERAGE

**Application:** ft<sup>2</sup>/gal (m<sup>2</sup>/L)

Curing and Sealing New Concrete

Sealing Older Concrete

**First Coat**

300 to 400 (7.4 to 9.8)

400 to 450 (9.8 to 11.0)

**Optional Second Coat**

400 to 450 (9.8 to 11.0)

450 to 550 (11.0 to 13.5)

Coverage will vary from the above rates depending on surface porosity and texture. **AVOID EXCESSIVE BUILD-UP. HEAVY APPLICATIONS WILL LEAD TO DISCOLORATION AND POOR PRODUCT PERFORMANCE.**

## DIRECTIONS FOR USE

**Surface Preparation:** The concrete surface must be clean and free of standing water. Remove any curing compounds, sealers, or other material that may prevent adhesion of the SUPER DIAMOND CLEAR.

**Mixing:** SUPER DIAMOND CLEAR requires no preblending and should be used directly from the container.

**Application:** Apply at a uniform coverage by spray or roller application. Product must be sprayed with a high pressure pump-up sprayer equipped with a high solids nozzle, or with an airless industrial sprayer. If roller applied, use a short napped, solvent resistant sleeve. Keep a wet edge while spraying and backroll over sprayer lap marks for best appearance.

**Curing and Sealing:** For the best cure of freshly placed concrete, apply SUPER DIAMOND CLEAR as soon as possible after finishing operations and/or immediately after the disappearance of the “sheen” of surface moisture. When sealing old concrete, the surface must be thoroughly clean and dry. Pressure washing with a strong alkaline detergent to remove dirt, waxes, and oil is suggested. Acids will not sufficiently clean or remove dirt, curing compounds, or old sealer from concrete. Worn or porous areas may need a second application for uniform seal and appearance. **NOTE: When sealing decorative concrete, the use of EVERCLEAR, EVERCLEAR TB, or EVERCLEAR VOX is recommended for best performance and appearance.**

## CLEAN-UP

Tools and equipment may be cleaned with EUCO SOLVENT, xylene, xylol or toluene. Run cleaning solvent through spray equipment to remove residual materials and prevent clogging of nozzle in future use.

## REMOVAL

Dried, cured sealer may be removed with strong solvents such as xylene or acetone. Also acceptable are commercial paint strippers (always heed directions and warning labels). Alternatively, SUPER DIAMOND CLEAR can be removed by sandblasting or by other similar mechanical action.

## PRECAUTIONS/LIMITATIONS

- Material will not freeze in storage but should be allowed to rise to 50°F (10°C) before use.
- Do not apply when concrete surfaces or ambient temperatures are below 40°F (4°C). Application in hot direct sunlight, or when the concrete and/or air temperature is 90°F (32°C) and rising, may cause bubbling.
- Do not apply over bleed water or free standing water.
- Use with adequate ventilation and keep away from open flames. Block all HVAC ventilation ducts which may distribute solvent odor. If solvent odor is objectionable, use of a water based, low odor product may be preferred.
- For a high gloss finish, two thin coats of SUPER DIAMOND CLEAR is suggested rather than one heavy application. Apply the second coat within 24 hours of the first.
- Do not apply over concrete to receive toppings, epoxy or urethane-based coatings or adhesives. KUREZ RC or KUREZ DR VOX are recommended to cure concrete for these applications.
- Although compatible with many carpet, tile and floor covering adhesives, a test section is recommended to ensure good bond between the adhesive and SUPER DIAMOND CLEAR.
- Do not use as a bond breaker for tilt-up construction.
- Do not use in areas subjected to hot grease or oils.
- Not resistant to gasoline or brake fluid.
- Do not thin this product.
- In all cases, consult the Material Safety Data Sheet before use.

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