



THE EUCLID CHEMICAL COMPANY

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SUPER DIAMOND CLEAR



HIGH SOLIDS, NON-YELLOWING, BLUSH RESISTANT CURING AND SEALING COMPOUND

SUPER DIAMOND CLEAR is a state-of-the-art curing and sealing compound specially designed to provide a quality cure and seal, while assuring total resistance to yellowing from ultraviolet exposure. 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 exterior architectural concrete where membrane yellowing is undesirable.

PRIMARY APPLICATIONS

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

FEATURES/BENEFITS

- Provides a totally clear membrane for new concrete or old concrete
- Seals all concrete surfaces, providing a glossy appearance and easier clean-up
- Hardens new concrete by promoting a proper cure for improved abrasion resistance
- Dustproofs concrete with a tough durable film
- Helps minimize spalling of exterior concrete
- Compatible with many line striping paints, mastics and resilient floor coverings
- Will not yellow under ultraviolet exposure
- Excellent blush resistance in damp areas

SPECIFICATIONS/COMPLIANCES

- ASTM C-309, Type 1, Class A & B
- ASTM C-1315, Type 1, Class A
- AASHTO Specification M-148, Type 1
- Federal Specification TTC-800 A Type 1
- Acceptable for USDA approval
- This product meets VOC contents in accordance to EPA 40 CFR Part 59 Table 1 Subpart D for Concrete Curing and Sealing Compounds with a maximum VOC content of 700 g/l

TECHNICAL INFORMATION

Typical Engineering Data

The following results were developed under laboratory conditions.

- Drying Time* at 73°F, 50% RH:**.....<1 hour
- Recoat:**.....2-24 hours
- Foot Traffic:**.....2-4 hours
- Wheel Traffic:**.....6-10 hours
- Salt Spray:** 500 hours exposure.....good
- VOC Content:**.....681 g/l
- Adhesion to Concrete:**.....excellent
- Adhesion of Asphalt Tile:**.....passes

Alkali Resistance:

48 hour exposure:.....excellent

Solvent Resistance:

.....minimal

Resistance to Yellowing:

.....excellent

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

Shelf life: 2 years in original, unopened container

Appearance

SUPER DIAMOND CLEAR is a slightly amber liquid. After application and drying, SUPER DIAMOND CLEAR offers a clear, glossy film. Follow recommended coverage rates.

COVERAGE*

Coverage Rates Purpose of Application	ft ² /gal (m ² /liter)	
	First Coat	Optional Second Coat
Curing and Sealing New Concrete	300 - 400 (7.4 - 9.8)	400 - 450 (9.8 - 11.0)
Sealing and Dustproofing Old Concrete	400 - 450 (9.8 - 11.0)	450 - 550 (11.0 - 13.5)

*Coverage rates assume hard troweled floors. Coverage will vary from the above rates depending on surface porosity and texture. **AVOID EXCESSIVE BUILD-UP. THICKER APPLICATIONS MAY LEAD TO DISCOLORATION AND IMPROPER SEALER PERFORMANCE.**

PACKAGING

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

DIRECTIONS FOR USE

Surface Preparation-The concrete surface must be clean and free of standing water. Remove any sealer 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.

Curing-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.

Sealing-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 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.

SEALER REMOVAL

Dried, cured sealer may be removed with strong solvents such as xylene, MEK or toluene. Also acceptable are commercial paint strippers (Always heed directions and warning labels).

Alternatively, the sealer 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).
- Do not apply over bleed water or free standing water.
- Use with adequate ventilation and keep away from open flames. If solvent odor is objectionable, use of a water based, low odor product such as AQUA-CURE VOX may be preferred.
- Block all HVAC ventilation ducts which may distribute solvent odor.
- For a high gloss finish, two thin coats of SUPER DIAMOND CLEAR is suggested rather than one heavy application. Apply second coat within 24 hours of the first.
- Spray application of SUPER DIAMOND CLEAR must be done with a high pressure or airless industrial sprayer.
- Do not apply over concrete to receive toppings, epoxy or urethane-based coatings or adhesives. KUREZ DR VOX is recommended for these applications.
- Although compatible with many carpet, tile and floor covering adhesives, a test section is recommended.
- Do not use as a bond breaker for tilt-up construction.
- No heavy traffic until the product has cured.
- Do not use in areas subjected to hot grease or oils.
- Not resistant to gasoline or brake fluid.
- For strict compliance with AIM Rule Regulations prescribed by The 1990 Clean Air Act, thinning of this product is not allowed.



Super Diamond Clear 10.05

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