

SUPER DIAMOND CLEAR₃₅₀

NON-YELLOWING, LOW VOC, EXEMPT SOLVENT BASED CONCRETE CURING COMPOUND AND CURE & SEAL

DESCRIPTION

SUPER DIAMOND CLEAR 350 is a state-of-the-art concrete curing compound and cure & seal specially designed with a high solids formulation to provide the most efficient moisture retention for proper cement hydration and strength gain as well as protection from liquids, weathering and abrasion. **SUPER DIAMOND CLEAR 350** is particularly well suited for exterior architectural concrete where membrane yellowing is undesirable. **SUPER DIAMOND CLEAR 350** is formulated with a unique exempt solvent blend that gives this product all the performance benefits of traditional solvent based curing and sealing products while ensuring compliance with VOC laws in regulated areas.

PRIMARY APPLICATIONS

- Curing and sealing architectural concrete

FEATURES/BENEFITS

- Enhances color and gives a glossy appearance
- Improves new concrete by providing proper curing
- Will not yellow under ultraviolet exposure
- Slower drying than acetone and tert-butyl acetate based products

TECHNICAL INFORMATION

Typical Engineering Data

The following results were developed under laboratory conditions:

Drying time* @ 73°F (24°C), 50% RH:..... < 1 hour

Recoat2 to 24 hours

Foot traffic2 to 4 hours

Wheel traffic6 to 10 hours

VOC content..... < 350 g/L

Appearance: Super Diamond Clear 350 is a clear liquid that after drying provides a clear, glossy film. Follow recommended coverage rates for best performance.

Flash point.....63°F (17°C)

Alkali resistance

48 hour exposure excellent

Solvent resistance..... minimal

Resistance to yellowing.....excellent

Solids content..... > 25%

Moisture loss ASTM C 156 < 0.40 kg/m²

*Low concrete or air temperatures and/or high relative humidity will extend drying times.

PACKAGING

SUPER DIAMOND CLEAR 350 is packaged in 55 gal (208 L) drums and 5 gal (18.9 L) pails.

SHELF LIFE

3 years in original, unopened package.

COVERAGE

Application ft²/gal (m²/L)

	First Coat	Optional Second Coat
Curing and Sealing New Concrete	300 to 400 (7.4 to 9.8)	400 to 450 (9.8 to 11.0)
Sealing Older Concrete	450 to 550 (11.0 to 13.5)	400 to 450 (9.8 to 11.0)

Coverage will vary depending on surface porosity and texture. **NOTE: THICK APPLICATIONS OR BUILD-UP OF MULTIPLE COATS WILL LEAD TO DISCOLORATION, WHITENING, BUBBLING, AND POOR PRODUCT PERFORMANCE.**

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

Complies with Federal AIM Rule VOC regulations and with VOC standards in the OTC and LADCO regions

*Does not meet flash point requirement



The Euclid Chemical Company

19218 Redwood Rd. • Cleveland, OH 44110
Phone: [216] 531-9222 • Toll-free: [800] 321-7628 • Fax: [216] 531-9596
www.euclidchemical.com

An **RPM** Company



DIRECTIONS FOR USE

Surface Preparation: The concrete surface must be clean and free of standing water. **Curing and Sealing:** For the best cure of freshly placed concrete, apply SUPER DIAMOND CLEAR 350 as soon as possible after finishing operations and/or immediately after the disappearance of the “sheen” of surface moisture.

Application: Apply at a uniform coverage with an industrial hand held pump-up sprayer equipped with a 1.0 gallon per minute (3.8 L per minute) spray tip and neoprene fittings. Common garden-type sprayers should not be used. Keep pressure in pump-up sprayers as high as possible to ensure a steady and even spray pattern. If backrolling over spray-applied sections, use a short 1/4" (0.64 cm) nap, solvent resistant roller cover. Any backrolling must immediately follow spraying, as this product dries quickly. It is helpful to keep the roller wet with SUPER DIAMOND CLEAR 350 or EUCO SOLVENT while rolling. If applying by roller only, use a short 1/4" (0.64 cm) nap, solvent resistant roller cover. Keep the roller wet and keep a wet edge while applying to avoid lap marks. Do not roll back and forth excessively, as this will cause bubbling. The first coat of SUPER DIAMOND CLEAR 350 acts as a primer for the second coat. Allow the first coat to dry tack-free before applying the second coat. Best performance and appearance is achieved with two THIN coats, following the prescribed coverage rates.

NOTE: SUPER DIAMOND CLEAR 350 dries very quickly (faster than standard solvent-based products). While spraying, keep the sprayer tip down near the concrete within 8" (20 cm) of the surface. Use of this product in hot weather, in direct sunlight, or in windy conditions can cause bubbling. The best time to apply this product is on a cool, overcast day when the temperature is 50°F to 80°F (10°C to 27°C) and is not expected to rise above 85°F (29°C) during application and drying time. Keep Super Diamond Clear 350 cool before applying.

Application of SUPER DIAMOND CLEAR 350 too heavily, in too many successive coats, or in multiple coats over time can cause bubbling, whitening, peeling, and ultimate failure of the product. To prevent over-application, it is good practice to measure the area to be sealed and the corresponding volume of product required based on the coverage rate. Also, applying SUPER DIAMOND CLEAR 350 in hot weather or onto a hot surface can cause bubbling. If SUPER DIAMOND CLEAR 350 is showing signs of over-application, scrub the surface with a solvent such as acetone* or xylene*, using a stiff natural bristle brush. Keep the surface wet with the solvent while scrubbing, adding more if necessary. The solvent will turn the sealer back into a liquid form, at which point excess material can be wiped off with a lint-free mop or towel. Do not apply additional sealer. After removing the excess SUPER DIAMOND CLEAR 350, a roller can be used to redistribute the remaining product evenly across the surface, adding more solvent as necessary to keep the sealer wet.

**Available at home improvement stores. Follow all safety precautions printed on the package.*

REMOVAL

Dried, cured SUPER DIAMOND CLEAR 350 can be removed with strong solvents such as xylene or acetone or EUCO CLEAN & STRIP. (Always follow solvent package directions and warning labels). Alternatively, the product can be removed by sandblasting or by other similar mechanical action.

CLEAN-UP

Tools and equipment may be cleaned with EUCO SOLVENT, xylene or acetone.

PRECAUTIONS/LIMITATIONS

- SUPER DIAMOND CLEAR 350 is a Flammable Liquid. Use with adequate ventilation and keep away from heat, sources of spark or ignition, and 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.
- Do not apply when concrete surfaces or ambient temperatures are below 40°F (4°C). Do not apply to hot surfaces, in hot direct sun, or when the ambient temperature is above 85°F (29°C).
- SUPER DIAMOND CLEAR 350 will darken the color of concrete, masonry, pavers, etc., giving these surfaces a “wet” look. To seal concrete with no change in appearance, the use of a penetrating sealer such as CHEMSTOP WB is recommended.
- This product will not freeze but must be allowed to rise to 60°F (16°C) before using.
- Do not apply if rain is expected within 12 hours of application.
- Not resistant to gasoline or other automotive fluids. May show tire marks and stains.
- Always use with adequate ventilation and keep away from sparks and open flame. If used on interior concrete, ensure adequate ventilation and block all HVAC ventilation ducts which may distribute solvent odor. Use respirators in confined areas.
- Do not apply over concrete that will receive toppings, epoxy or urethane based coatings or adhesives.
- Before installing carpet, tile and floor covering adhesives, a test section is recommended to ensure compatibility.
- Do not thin this product.
- In all cases, consult the Material Safety Data Sheet before use.

Rev. 6.11

WARRANTY: The Euclid Chemical Company (“Euclid”) solely and expressly warrants that its products shall be free from defects in materials and workmanship for one (1) year from the date of purchase. Unless authorized in writing by an officer of Euclid, no other representations or statements made by Euclid or its representatives, in writing or orally, shall alter this warranty. EUCLID MAKES NO WARRANTIES, IMPLIED OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR ORDINARY OR PARTICULAR PURPOSES OF ITS PRODUCTS AND EXCLUDES THE SAME. If any Euclid product fails to conform with this warranty, Euclid will replace the product at no cost to Buyer. Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages. Any warranty claim must be made within one (1) year from the date of the claimed breach. Euclid does not authorize anyone on its behalf to make any written or oral statements which in any way alter Euclid’s installation information or instructions in its product literature or on its packaging labels. Any installation of Euclid products which fails to conform with such installation information or instructions shall void this warranty. Product demonstrations, if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. Buyer shall be solely responsible for determining the suitability of Euclid’s products for the Buyer’s intended purposes.