



EUCLID CHEMICAL

DIAMOND CLEAR 350

EXEMPT SOLVENT-BASED, NON-YELLOWING CURE & SEAL FOR FRESH CONCRETE

CURING AND SEALING

DIAMOND CLEAR 350

MASTER FORMAT #: 03 39 23

DESCRIPTION

DIAMOND CLEAR 350 is a low VOC, non-yellowing concrete curing compound and cure & seal used to cure and seal exterior concrete. 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. Diamond Clear 350 can be tinted with Euclid Universal Color Packs, which are available in 33 standard colors.

PRIMARY APPLICATIONS

- Curing and sealing fresh concrete surfaces
- Walls and columns
- Parking garages
- Dry shake hardened floors

FEATURES/BENEFITS

- Maintains adequate moisture in new concrete so that strength and durability properties can develop
- Will not yellow under ultraviolet exposure
- Slower drying than products based on acetone or tert-butyl acetate exempt solvents
- Complies with VOC standards in the OTC and LADCO states
- Can be tinted with Euclid Universal Color Packs to even out variegated concrete surfaces

TECHNICAL INFORMATION

Typical Engineering Data

The following are typical values obtained under laboratory conditions. Expect reasonable variation under field conditions.

DRY TO TOUCH	< 1 hour	VOC CONTENT	320 g/L
RECOAT	2 hours minimum	SOLIDS CONTENT (BY WEIGHT)	12-13%
FOOT TRAFFIC	2 to 4 hours	MOISTURE LOSS ASTM C156	< 0.55 kg/m ²
WHEEL TRAFFIC	6 to 10 hours		

Appearance: DIAMOND CLEAR 350 is a clear liquid in the container. After application and drying, DIAMOND CLEAR 350 will darken concrete, and will have a medium-gloss finish. A small test area is strongly recommended to confirm appearance prior to beginning full application.

*Lower concrete temperatures, lower ambient temperatures, higher relative humidity, or a combination of the above will extend drying times.

PACKAGING

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 container

SPECIFICATIONS/COMPLIANCES

ASTM C309, Type 1, Classes A & B
AASHTO Specification M 148, Type 1, Classes A & B

Complies with Federal AIM rule VOC regulations, and with VOC standards in the OTC and LADCO states

COVERAGE

Application ft ² /gal (m ² /L)	First Coat	Second Coat (Optional)
Curing & Sealing Fresh Concrete	300 to 400 (7.4 to 9.8)	400 to 450 (9.8 to 11.0)
Sealing or Re-sealing Existing/Cured Concrete	450 to 550 (11.0 to 13.5)	450 to 550 (9.8 to 11.0)

NOTE: Coverage rates are approximate. Actual coverage depends on temperature, texture, and substrate porosity. **Avoid excessive build-up of sealer, as this may cause discoloration and/or poor product performance.**

DIRECTIONS FOR USE

Surface Preparation: For existing concrete, the surface must be clean of any and all surface contaminants, and free of standing water. If applying DIAMOND CLEAR 350 to previously sealed concrete, call Euclid Chemical to check compatibility. If the chemical makeup of the previous sealer is unknown, a small test section is strongly recommended to check compatibility between DIAMOND CLEAR 350 and the old sealer. When applying DIAMOND CLEAR 350 to freshly poured concrete as a cure & seal, the surface bleed water must be allowed to evaporate prior to applying DIAMOND CLEAR 350, and the surface must be hard enough as to not be marred during product application.

Mixing: DIAMOND CLEAR 350 requires no pre-blending prior to use. If using Euclid Universal Color Packs or Euco Grip with this sealer, please refer to those products' technical data sheets for mixing instructions.

Application: Apply at the recommended coverage rate using an industrial, solvent-resistant pump-up sprayer with a high-solids nozzle and a short-nap, solvent-resistant roller. Apply sealer uniformly to the concrete using sprayer, then lightly backroll the sealer to ensure even coverage. Maintain a "wet edge" while spraying, and backroll over sprayer lap marks for best appearance. DIAMOND CLEAR 350 may be applied by roller alone, but extra care must be taken to ensure that the sealer is applied uniformly, and at the proper coverage rate. Re-distribute any puddles or runs before DIAMOND CLEAR 350 dries. Protect freshly coated surfaces from rain or heavy fog for a minimum of 12 hours after application. **Backrolling must immediately follow spraying, as this product dries quickly.**

Application of DIAMOND CLEAR 350 too heavily, in too many successive coats, or in multiple coats from re-sealing too frequently can cause bubbling, whitening, peeling, flaking, and ultimately, failure of the product. To prevent over-application, it is good practice to measure the area to be sealed and then measure the corresponding volume of product required based on the coverage rate. In addition, applying DIAMOND CLEAR 350 in hot weather/direct sunlight or onto a hot surface can cause bubbling.

For additional guidance in applying Euclid Chemical curing and sealing compounds, visit our website to see an instructional video on the procedure.

CLEAN-UP

Tools and equipment may be cleaned with EUCO SOLVENT, xylene/xylol, or acetone (always follow package directions and warning labels) immediately following use. Clean drips and overspray with one of the above solvents while still wet. Run cleaning solvent through spray equipment to remove residual materials and prevent clogging of nozzle in future use. If not cleaned immediately, the sealer may leave an unwanted residue on painted surfaces, glass, or wood.

REMOVAL

Dried, cured DIAMOND CLEAR 350 may be removed with a strong solvent such as EUCO SOLVENT, xylene/xylol, or MEK (always follow package directions and warning labels). EUCO CLEAN & STRIP is a citrus-based stripper that can also be used to remove this product. Alternatively, the product can be removed by sandblasting or by other similar mechanical means.

PRECAUTIONS/LIMITATIONS

- Keep DIAMOND CLEAR 350 away from open flames, sparks, or other sources of ignition
- If using DIAMOND CLEAR 350 indoors, ensure adequate fresh air ventilation and block all HVAC ducts which may distribute solvent odor. Extinguish any pilot lights or other sources of ignition prior to starting DIAMOND CLEAR 350 application.
- Store DIAMOND CLEAR 350 indoors, protected from moisture, at temperatures above 40°F (4°C)
- DIAMOND CLEAR 350 should be allowed to reach at least 50°F (10°C) before use
- Surface and ambient temperature during coating applications should be between 40°F and 85°F (4°C and 29°C)
- Do not apply DIAMOND CLEAR 350 to frost-filled or frozen substrates
- Do not apply DIAMOND CLEAR 350 in hot direct sunlight
- Do not apply DIAMOND CLEAR 350 over bleed water or free-standing water
- Do not apply DIAMOND CLEAR 350 if rain or heavy fog is expected within 12 hours of application
- Do not thin DIAMOND CLEAR 350
- DIAMOND CLEAR 350 is not resistant to gasoline or other automotive fluids
- DIAMOND CLEAR 350 will enhance color and darken substrates
- Excessive build up of DIAMOND CLEAR 350 or puddling of the product during application can lead to failure to dry completely, bubbling, whitening, peeling and/or flaking of the sealer, and discoloration of the concrete
- Applying thicker than recommended, applying in cool/cold weather, prolonged exposure to moisture (high humidity, rain), or lack of air flow may result in the sealer remaining soft/wet/tacky for longer than the times found on this data sheet
- When floor covering adhesives will be used following DIAMOND CLEAR 350 application, a test area is recommended to ensure compatibility of the adhesive with DIAMOND CLEAR 350
- Application of a test area is strongly recommended to confirm final appearance and texture of the product with the end user
- In all cases, consult the product Safety Data Sheet before use

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