

DIAMOND CLEAR₃₅₀

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

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.

PRIMARY APPLICATIONS

- Curing and sealing concrete surfaces

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
- Low VOC content

TECHNICAL INFORMATION

Typical Engineering Data

The following results were developed under laboratory conditions:

Drying time* @ 73°F (24°C), 50% RH:..... <1 hour
Recoat 2 to 24 hours
Foot traffic 2 to 4 hours
Wheel traffic 6 to 10 hours
VOC content 320 g/L
Flash Point 63°F (17°C)

Resistance to yellowing excellent
Solids content 15%
Moisture loss ASTM C 156 < 0.55 kg/m²

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

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

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 package.

COVERAGE

Application ft ² /gal (m ² /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. Thick applications or build-up of multiple coats can cause bubbling, whitening, and peeling.

SPECIFICATIONS/COMPLIANCES

- ASTM C 309, Type 1, Class A & B
- 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 states



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An **RPM** Company



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 DIAMOND CLEAR 350. **Mixing:** DIAMOND CLEAR 350 requires no preblending and should be used directly from the container.

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 DIAMOND CLEAR 350 or Euco Solvent while rolling. If applying DIAMOND CLEAR 350 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 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: 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 DIAMOND CLEAR 350 cool before applying.

Curing and Sealing: For the best cure of freshly placed concrete, apply DIAMOND CLEAR 350 as soon as possible after finishing operations and/or immediately after the disappearance of the "sheen" of surface moisture.

Removal: Dried product may be removed with strong solvents such as acetone or xylene. Euco Clean & Strip is a citrus-based stripper that can also be used to remove this product. Alternately, DIAMOND CLEAR 350 can be removed by sandblasting or by other similar mechanical action.

Application of 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 DIAMOND CLEAR 350 in hot weather or onto a hot surface can cause bubbling. If 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 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.*

CLEAN-UP

Tools and equipment may be cleaned with Euco Solvent, xylene or acetone. Run cleaning solvent through spray equipment to remove residual materials and prevent clogging of nozzle in future use.

PRECAUTIONS/LIMITATIONS

- 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.
- Material will not freeze in storage but should be allowed to rise to 40°F (4°C) before application.
- 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).
- Do not apply over bleed water or standing water.
- Do not apply over concrete to receive toppings. Kurez RC or Kurez DR VOX are recommended for these applications.
- Before installing carpet, tile and floor covering adhesives, a test section is recommended to ensure good bond between the adhesive and DIAMOND CLEAR 350.
- 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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