



DIAMOND CLEAR

NON-YELLOWING CURING AND SEALING COMPOUND

EUCLID CHEMICAL

CURING AND SEALING

DIAMOND CLEAR

MASTER FORMAT #: 00 00 00

DESCRIPTION

DIAMOND CLEAR is an acrylic copolymer curing and sealing compound designed to provide a quality cure and seal while assuring total resistance to yellowing from ultraviolet exposure. Diamond Clear is particularly well suited for curing and sealing exterior architectural concrete where membrane yellowing is undesirable. Diamond Clear can be tinted with Euclid Universal Color Packs, which are available in 33 standard colors

PRIMARY APPLICATIONS

- Exterior or interior concrete surfaces
- Walls and columns
- Parking garages
- Dry shake hardened floors

FEATURES / BENEFITS

- Seals all concrete surfaces providing a glossy appearance and easier clean-up
- Improves new concrete by promoting a proper cure and development of a strong surface
- Dustproofs concrete with a tough durable film
- Will not yellow under ultraviolet exposure
- Can be tinted with Euclid Universal Color Packs to even out variegated concrete surfaces

TECHNICAL INFORMATION

Typical Engineering Data

The following results were developed under laboratory conditions.

Drying Time* @ 73°F, 50% RH:..... < 1 hour
Recoat: 4 to 24 hours
Foot Traffic: 4 to 6 hours
Wheel Traffic: 6 to 10 hours
VOC Content:..... 692 g/L

Adhesion to Concrete:.....excellent

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

Appearance : Diamond Clear is a clear liquid. After application and drying, Diamond Clear provides a clear, glossy film. Diamond Clear can also be tinted with Euclid Universal Color Packs (EUCLID UNIVERAL COLOR CHART for available colors.

Alkali Resistance:

48 hour exposure.....excellent

Solvent Resistance: minimal

Solids Content:.....25%

Moisture Loss: (ASTM C 156)..... < 0.40 kg/m²

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

PACKAGING / YIELD

Diamond Clear is packaged in 200L drums and 20L buckets.

SHELF LIFE

3 years in original, unopened bag

COVERAGE

Application m ² /L	First Coat	Optional Second Coat
Curing and Sealing New Concrete	7.4 to 8.6	8.6 to 9.8
Sealing Old Concrete	8.6 to 9.8	8.6 to 9.8

Coverage will vary depending on surface porosity and texture. Avoid excessive build-up. For best protection and appearance, the use of EVERCLEAR, EVERCLEAR 350, or EVERCLEAR VOX is recommended for use on existing, already cured, or older concrete.

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.

Mixing: Diamond Clear requires no preblending and should be used directly from the container.

Application: For the best cure of freshly placed concrete, apply Diamond Clear as soon as possible after finishing operations and/or immediately after the disappearance of the "sheen" of surface moisture. Apply at a uniform coverage by spray or roller application. Product may be sprayed with a hand held "pump-up" sprayer or with an airless industrial sprayer. If roller applied, use a short 3/8" (0.95 cm) nap solvent resistant sleeve. Keep a wet edge while spraying and backroll over sprayer lap marks for best appearance. Tinted Diamond Clear is best applied with a short nap roller for better and more uniform coverage. If you have to spray tinted Diamond Clear, it is good practice to put 2 golf balls in the sprayer and shake frequently to help keep the color packs in suspension. Application of Diamond Clear 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 in hot weather or onto a hot surface can cause bubbling. If Diamond Clear 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, a roller can be used to redistribute the remaining product evenly across the surface, adding more solvent as necessary to keep the sealer wet.

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 (always follow product directions and warning labels). EUCO CLEAN & STRIP is a citrus-based stripper that can also be used to remove this product. Alternately, 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 4°C before application.
- Do not apply when concrete surfaces or ambient temperatures are below 4°C. Do not apply to hot surfaces, in hot direct sun, or when the ambient temperature is above 32°C.
- Do not apply over bleed water or free standing water.
- Block all HVAC ventilation ducts which may distribute solvent odor.
- Use with adequate ventilation and keep away from open flames. If solvent odor is objectionable, use of a water-based, low odor product may be preferred.
- Tinted Diamond Clear is a thin film cure and seal and it will wear over time. It is not intended to be a coating or permanent fix to poorly colored or finished concrete.
- When installing carpet, tile and floor covering adhesives, a test section is recommended to ensure good bond between the adhesive and Diamond Clear.
- For sealing decorative concrete, the use of EVERCLEAR, EVERCLEAR 350, or EVERCLEAR VOX is suggested for best appearance.
- Not resistant to gasoline or brake fluid.
- Do not thin this product.
- In all cases, consult the Safety Data Sheet before use.

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