

# DIAMOND CLEAR

## NON-YELLOWING CURING AND SEALING COMPOUND

### DESCRIPTION

**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. **DIAMOND CLEAR** is particularly well suited for curing and sealing exterior architectural concrete where membrane yellowing is undesirable.

### PRIMARY APPLICATIONS

- Exterior or interior concrete surfaces
- Walls and columns
- Terrazzo floors
- 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
- Good blush resistance in damp areas

### TECHNICAL INFORMATION

#### Typical Engineering Data

The following results were developed under laboratory conditions.

<b>Drying Time*</b> @ 73°F, 50% RH:.....	< 1 hour	<b>Alkali Resistance:</b>	48 hour exposure.....excellent
<b>Recoat:</b> .....	4 to 24 hours	<b>Solvent Resistance:</b> .....	minimal
<b>Foot Traffic:</b> .....	4 to 6 hours	<b>Solids Content:</b> .....	25%
<b>Wheel Traffic:</b> .....	6 to 10 hours	<b>Solids Content:</b> (Diamond Clear 13% Canada Only).....	13%
<b>VOC Content:</b> .....	< 700 g/L	<b>Solids Content:</b> (Diamond Clear 20% Canada Only).....	20%
<b>Adhesion to Concrete:</b> .....	excellent	<b>Moisture Loss:</b> (ASTM C 156).....	< 0.40 kg/m <sup>2</sup>

\*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. Follow recommended coverage rates for best performance and appearance.

### PACKAGING

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

### SHELF LIFE

2 years in original, unopened container.

### 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

### COVERAGE

<b>Application</b> ft <sup>2</sup> /gal (m <sup>2</sup> /L)	<b>First Coat</b>	<b>Optional Second Coat</b>
Curing and Sealing New Concrete	300 to 350 (7.4 to 8.6)	350 to 400 (8.6 to 9.8)
Sealing Old Concrete	350 to 400 (8.6 to 9.8)	350 to 400 (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** is recommended for use on existing, already cured, or older concrete.



## The Euclid Chemical Company

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## 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:** 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.

**Curing and Sealing:** 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.

## 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, MEK or toluene. Also acceptable are commercial paint strippers (always heed 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 40°F (4°C) before application.
- 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.
- 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, such as AQUA-CURE VOX, may be preferred.
- Do not apply over concrete to receive toppings. KUREZ DR VOX is a dissipating curing compound that is recommended for these applications.
- When applying DIAMOND CLEAR on concrete that is not freshly poured, this product will darken and highlight imperfections in the concrete surface, resulting in a mottled appearance. For use on existing concrete, and appearance is critical, EVERCLEAR is recommended.
- Although compatible with many carpet, tile and floor covering adhesives, a test section is recommended to ensure good bond between the adhesive and DIAMOND CLEAR.
- Various concrete finishing techniques may result in a surface with high or non-uniform porosity. Adjustment in coverage rate or additional coats of DIAMOND CLEAR may be necessary to compensate for excessive penetration of product.
- For decorative concrete, the use of EVERCLEAR is suggested for best appearance. Apply two thin coats rather than one heavy application for a high gloss finish.
- 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.
- Do not thin this product.
- In all cases, consult the Material Safety Data Sheet before use.

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