

SUPER DIAMOND CLEAR AC

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

DESCRIPTION

SUPER DIAMOND CLEAR AC 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 AC** is particularly well suited for exterior architectural concrete where membrane yellowing is undesirable. **SUPER DIAMOND CLEAR AC** is formulated with a unique solvent blend that gives this product all the performance benefits of traditional solvent based curing and sealing products while ensuring compliance with VOC regulations where acetone is an exempt solvent.

PRIMARY APPLICATIONS

- Exterior or interior concrete surfaces
- Walls and columns
- Terrazzo floors
- Curing architectural concrete

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:

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 < 350 g/L

Appearance: **SUPER DIAMOND CLEAR TB** is a clear liquid that after drying provides a clear, glossy film. Follow recommended coverage rates for best performance.

Adhesion to concrete.....excellent

Adhesion of asphalt tile..... passes

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 time.

PACKAGING

SUPER DIAMOND CLEAR AC 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. Avoid excessive build-up. For best protection and appearance, the use of **EVERCLEAR** or **EVERCLEAR TB** is recommended for use on existing, already cured, or older concrete.

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 Ohio, Illinois, Maryland, New York, New Jersey, Delaware, Pennsylvania, Maine, New Hampshire, Virginia, and the District of Columbia

*Does not meet flash point requirement



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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 SUPER DIAMOND CLEAR AC.

Mixing: SUPER DIAMOND CLEAR AC 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 SUPER DIAMOND CLEAR AC or Euco Solvent while rolling.

If applying SUPER DIAMOND CLEAR AC 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 AC 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 AC 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 AC cool before applying. In cool weather, consider SUPER DIAMOND CLEAR AC, which has a faster dry time.

Curing and Sealing: For the best cure of freshly placed concrete, apply SUPER DIAMOND CLEAR AC 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 xylene, MEK or toluene. EUCO CLEAN & STRIP is a citrus-based stripper that can also be used to remove this product. Alternately, SUPER DIAMOND CLEAR AC can be removed by sandblasting or by other similar mechanical action.

CLEAN-UP

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

PRECAUTIONS/LIMITATIONS

- SUPER DIAMOND CLEAR AC 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 over bleed water or free standing water.
- Do not apply over concrete to receive toppings. KUREZ RC or KUREZ DR VOX are recommended for curing new concrete in these applications.
- Although compatible with many carpet, tile and floor covering adhesives, a test section is recommended to ensure good bond between the adhesive and SUPER DIAMOND CLEAR AC.
- Various concrete finishing techniques may result in a surface with high or non-uniform porosity. Adjustment in coverage rate or additional coats of SUPER DIAMOND CLEAR AC may be necessary to compensate for excessive penetration of product.
- 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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