

DURO-CURE

Duro-Cure is water based, white pigmented (type 2), concrete curing compound that complies with ASTM C 309. It is formulated specifically for use with all King shotcrete mixes and concrete repair materials.

FEATURES & BENEFITS

- Sets the industry standard for pigment and solids suspension, reduces length and frequency of agitation.
- Excellent moisture retention.
- White pigments reflect heat in hot weather and act as a gauge of proper application rate.
- Superior spraying characteristics for economical application and reduced labor cost.

USES

- Duro-Cure for use with all King cementitious based products or for curing other concrete (including Ontario Ministry of Transportation projects).

PROCEDURES

Mixing:

Do not dilute. Stir or agitate Duro-Cure before using to disperse pigments and solids uniformly. If using a pump to recirculate Duro-Cure, it is recommended that an air diaphragm pump be used. If using a centrifugal pump, mix only long enough to make the Duro-Cure homogeneous. Do not over mix.

Application:

Use a low pressure, airless sprayer equipped with a fan tip or a short napped roller to apply. Hold sprayer tip 15-20 cm (6-8 inches) from the surface of concrete. Apply uniformly leaving no pinholes or gaps avoiding puddles.

Curing:

Apply Duro-Cure after all bleed water has dissipated and application will not affect the surface.

Drying Time:

Duro-Cure dries in 1.5 - 2.0 hours at 21°C (70°F) at 50% relative humidity. Cooler temperatures or high relative humidity may slow drying process.

Clean Up:

Clean tools and equipment used in applying Duro-Cure with warm water and detergent.

TECHNICAL DATA

Water loss <0.30 kg/m² in 72 hours

ASTM C-309, Types I or II, Class A and B, Standard Specification for Liquid Membrane Forming Compounds for Curing Concrete.

AASHTO M-148, Type 1 & 1D, Class A & B

Solids 35.5 +/- 2.5 %
V.O.C. Content 322 gm/litre
Flash Point NONE
Light Reflectance 64 %
Dry Time 1.5 - 2.0 hours
Weight 1.0 kg/ (8.8 lb./ga)

PROPORTIONING

Coverage is dependent on surface texture and porosity.

Curing - 5 m²/litre 200 ft²/US gallon

OPTIMUM PERFORMANCE:

Duro-Cure is not recommended for interior use or where appearance is important. Do not apply if surface or ambient temperature is below 4°C (40°F). Product should be conditioned to 10°C (50°F) prior to application. Do not use Duro-Cure as a tilt-up bond breaker.

PACKAGING

Duro-Cure is packaged in 18.9 litre (5 US gallon) pails, shipped 36 per pallet.

STORAGE AND SHELF LIFE

Store in tightly closed containers in warm area, between 10 and 38° C (50 and 100°F). Do not allow to freeze. Shelf life of properly stored material is one year from date of manufacture.

SAFETY PROCEDURES

May cause skin and eye irritation. Do not take internally. Keep out of reach of children. All label precautions and the MSDS must be fully understood before using this product.

This product is designed to meet the performance specifications outlined in this product data sheet. If the product is used in conditions for which it was not intended, or applied in a manner contrary to the written recommendations contained in the product data sheet, the product may not reach such performance specifications. The foregoing is in lieu of any other warranties, representations or conditions, expressed or implied, including, but not limited to, implied warranties or conditions of merchantable quality or fitness for particular purposes, and those arising by statute or otherwise in law or from a course of dealing or usage of trade.

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Mixing Strength With Satisfaction

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DURO-CURE
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