KUREZ DR-100

Low VOC, Dissipating Curing Compound

EUCLID CHEMICAL

Description

KUREZ DR-100 is a water-based resin, liquid membrane-forming curing compound that provides an excellent initial cure for concrete, then begins to break down and deteriorate upon exposure to traffic and UV light. After simple cleaning to completely remove the KUREZ DR-100, the concrete is ready to receive application of coverings, coatings, or sealers. With a VOC content of less than 100 g/L, KUREZ DR-100 is fully VOC-compliant in the U.S. and Canada, even in the highly regulated air quality districts of California.

Primary Applications

- Interior or exterior concrete
- Concrete that will later receive a covering or coating
- Where a long term membrane film is not desired on the concrete surface

Features/Benefits

**** IMPROVED FORMULA ****

* Easier to remove
* Dries leaving a clearer film
* Lower viscosity - easier to spray
* Lower odor

- Use of this product ensures proper curing resulting in stronger, more wear-resistant concrete
- Helps to minimize dusting
- Available in a fugitive dye formulation
- Film breaks down when exposed to UV & traffic

Technical Information

Typical Engineering Data

The following are typical values obtained under laboratory conditions. Expect reasonable variation under field conditions.

Drying Time* at 73°F, 50% RH: ..... 1 hour
Foot Traffic: ..... 2 to 4 hours
Wheel Traffic: ..... 6 to 10 hours
VOC Content: .....98 g/L
Moisture Loss (ASTM C156)**:** ..... < 0.55 kg/m^2

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

Appearance: The color of KUREZ DR-100 may vary from white to off white. Color variation does not affect product performance. KUREZ DR-100 will turn a deeper amber color upon exposure to UV light.

Packaging

KUREZ DR-100 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 C309, Types 1 and 1-D, Classes A & B
AASHTO M 148, Types 1 and 1-D, Classes A & B

Coverage

	ft^2/gal (m^2/L)
Textured Concrete:	300 (7.4)
Smooth Concrete:	400 (9.8)

For proper dissipation and easy removal, carefully follow the recommended coverage rates and apply evenly. Heavy or uneven application can make dissipation and removal difficult.

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Directions for Use

Surface Preparation: As soon as possible after final troweling (or stripping of forms in vertical applications), apply KUREZ DR-100 at the recommended coverage rate.

Mixing: Material may separate during long term storage. Mild agitation or mixing is required before use.

Application: Apply at a uniform coverage by spray or roller application. Product may be sprayed with a hand held "pump-up" sprayer or an airless industrial sprayer. On vertical surfaces such as walls and columns, KUREZ DR-100 should be applied immediately after forms are stripped. **Do not apply at a thicker film than the suggested coverage rates allow. Heavy or uneven application can result in slow dissipation and difficult removal of the KUREZ DR-100, and may discolor the concrete surface.** On interior hard troweled floors where a liquid densifier will be applied (and with approval from the project engineer), the coverage rate of KUREZ DR-100 may be increased to 400 ft^2/gal (9.8 m^2/L) in order to facilitate easier removal.

Dissipation and Cleaning: The exact time for dissipation/break down of KUREZ DR-100 will vary depending on application rate, moisture level in the concrete, and the amount of exposure to UV light and construction traffic. KUREZ DR-100 will continue to dissipate and become increasingly easier to remove as time passes. **Floors to receive coatings, sealers and coverings must be cleaned thoroughly to ensure complete removal of KUREZ DR-100.** The use of a heavy-duty floor cleaner such as EUCO CLEAN & STRIP is recommended to aid cleaning and removal. Scrub the floor with the cleaner and stiff bristle mechanical equipment, then rinse well with clean water. Heavy-duty mechanical means may also be used for removal, such as heavy-duty water blasting or abrasive methods like sanding or grinding. After proper clean-up, follow the instructions of the sealer, coating or covering manufacturer for the recommended surface preparation for the particular product to be applied. The use of KUREZ DR-100 does not eliminate the need to adequately clean and prepare the surface to assure good adhesion of the applied product, particularly when concrete or terrazzo toppings are to follow.

Clean-Up

Clean tools and equipment with warm, soapy water before KUREZ DR-100 dries.

Precautions/Limitations

- Do not allow containers of this product to freeze.
- Store between 50°F to 100°F (10°C to 38°C).
- For best application results, product temperature should be between 50°F to 90°F (10°C to 32°C) with ambient and surface temperatures between 45°F to 100°F (7°C to 38°C).
- After application, KUREZ DR-100 must remain uncovered and unprotected for proper dissipation.
- Do not apply at temperatures below 40°F (4°C).
- Do not use as bond breaker for tilt-up construction.
- Do not subject to rain or water for 12 hours after application.
- Not intended for use on architectural concrete panels unless complete removal is planned.
- Do not thin this product with water or other solvents.
- Longer dissipation times can be expected if the product is not exposed to traffic & sunlight or if the product is applied heavier than recommended.
- Film may slightly discolor when exposed to sunlight
- In all cases, consult the Safety Data Sheet before use.