



INCRETE URETHANE WATER BASED

CLEAR WATER-BASED URETHANE PROTECTIVE FLOOR COATING **EUCLID CHEMICAL**

PACKAGING

1 gal (3.8 L) kits, 2 per case

YIELD

Approximately 300 to 400 ft²/gal (7.4 to 9.8 m²/L)

APPEARANCE

Milky white color when wet; dries clear. Also available in 35 standard colors.

CLEAN UP

Clean tools and equipment with water before the material hardens.

SHELF LIFE

1 year in original, unopened containers

SPECIFICATIONS AND COMPLIANCES

Complies with all U.S. EPA and local VOC regulations, including OTC, Maricopa County and California (CARB and SCAQMD)

BRIEF OVERVIEW

INCRETE URETHANE WATER BASED is a non-yellowing, two-component, aliphatic urethane coating with excellent wear and adhesion properties. When used as a topcoat for epoxy-based coatings, INCRETE URETHANE WATER BASED provides UV-light protection and additional abrasion resistance. INCRETE URETHANE WATER BASED is recommended as a high performance top coat for epoxy floor coating systems, or as a stand-alone sealer.

PRODUCT CHARACTERISTICS

ADVANTAGES

- Water-based, low odor
- Outstanding chemical resistance
- Non-yellowing
- Excellent abrasion resistance
- Single or multiple coat application
- Interior or exterior use
- May be applied without a primer
- Long pot life and working time
- Meets federal guidelines for food processing areas

PHYSICAL PROPERTIES

- Two component
- Low odor

COMMON USES

- Applied directly over plain or stained concrete
- Top coat for INCRETE HIGH PERFORMANCE EPOXY
- Top coat for INCRETE METAL FX
- Top coat for INCRETE GRANITE COAT
- 55 °F (13 °C) to 85 °F (29 °C)

COMMON APPLICATION METHODS

- Nap Roller
- Microfiber applicator

TECHNICAL INFORMATION

Typical Engineering Data:

The following results were developed under laboratory conditions.

Viscosity cp..... 500 to 800

Working time 1 to 2 hours

Drying time @ 73 °F (24 °C), 50% RH

Tack free 4 to 6 hours

Light foot traffic 8 to 10 hours

Complete cure 24 hours

VOC content (mixed)..... <34 g/L

Solids by weight..... 56%

Resistance to tire marking excellent

Taber abrasion CS-17 wheel

1000 gram load..... 78 mg weight loss

TECHNICAL INFORMATION CONT.

Chemical resistance Spot Test after 14 day cure (ASTM D1308)

	RESULT AFTER 4 HOURS	RESULT AFTER 24 HOURS
10% Acetic Acid	no effect	slight softening
10% Sulfuric Acid	no effect	no effect
MEK	soft, blistered	soft, blistered
IPA	soft	soft
14% Ammonium Hydroxide	no effect	stained
10% Bleach	no effect	no effect
Gasoline	no effect	slight softening
50% Sodium Hydroxide	no effect	no effect

DIRECTIONS FOR USE

SURFACE PREPARATION

New concrete must be cured a minimum of 28 days. Concrete surfaces must be structurally sound, free of loose or deteriorated concrete and free of dust, dirt, paint, efflorescence, oil and all other contaminants. Remove any loose material and any coatings such as paint, curing agents, and sealers. Clean surface with cleaner/degreaser specifically designed for use on concrete surfaces. Mechanically abrade the surface to achieve a surface profile equal to CSP 1-2 in accordance with ICRI Guideline 310.2. Properly clean profiled area. Applications to epoxy coatings should be done after the epoxy is tack free, but no longer than 24 hours after the epoxy is applied.

PRIMING

For optimum results indoors, prime the prepared concrete floor first with INCRETE HIGH PERFORMANCE EPOXY, or Euclid Chemical's DURAPRIME WB. The primed floor should be tack free and clear in appearance. Do not apply over acrylic sealers.

MIXING

For 1 gal (3.78 L) kits, carefully pour the entire contents of Part B into the Part A. Do not change the ratio of cure to resin. Blend thoroughly for 2 to 3 minutes with a spiral mixing blade attached to a low-speed (400-600 RPM) electric drill. Take care not to introduce air into the material when mixing because this will cause "bubbles" in the coating when applied.

POT LIFE

At 75 °F (24 °C) and 50% RH, INCRETE URETHANE WATER BASED has a useful working time or pot life of approximately 3 hrs. Using any product beyond this time will result in variable results, and therefore any mixed product beyond the pot life should be discarded. Apply all material to the floor as quickly as possible.

APPLICATION

When applying INCRETE URETHANE WATER BASED, applicator should wear spiked shoes. Apply with a 1/4 to 3/8 in (6.3 to 9.5 mm) nap roller that is shed resistant. INCRETE URETHANE WATER BASED must be rolled as evenly as possible. To do this, roll forward in a straight line and then roll the same column backwards to eliminate spike shoe marks. When rolling the next column, overlap the previous column by 1/2 in (1.3 cm). Avoid excess agitation of the liquid with the roller, which will lessen the chances of bubbling in the final film. Allow the coating to dry thoroughly before mixing and applying the next coat. It should be tack free before recoating (this takes between 3-4 hours @ 75 °F (24 °C) and 50% RH).

PRECAUTIONS/LIMITATIONS

- New concrete must cure for at least 28 days.
- Avoid mixing and application of this product if the floor temperature is below 55 °F (13 °C) or above 85 °F (29 °C).
- Do not use when relative humidity exceeds 75%.
- Do not exceed recommended coverage rates.
- Do not allow material to puddle during application.
- Salt water environments, including salt water pool decks, are harsh on sealers. Please contact your Euclid Chemical sales rep for recommendations.
- Do not apply adhesive tape to sealed surfaces as delamination may occur.
- Allow each coat to dry tack-free surfaces before recoating.
- Apply each coat within 3 to 4 hours of previous coat (if longer, abrade the previous coat with Scotch-Brite™ or 320-grit sandpaper.)
- Discard any material subjected to freezing.
- For professional use only
- In all cases, consult the Safety Data Sheet before use.

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