OVERLAYS & MICRO TOPPINGS

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INCRETE LEVEL TOP STAIN

STAINABLE SELF-LEVELING OVERLAYMENT

EUCLID CHEMICAL

PACKAGING

50 lb (22.7 kg) bags

YIELD

Approximately 0.44 ft^3 (0.012 m^3) of material. Covers approximately 24 ft^2 (2.2 m^2) @ 1/4 in (6.35 mm),14 ft^2 (1.3 m^2) @ 3/8 in (9.5 mm) thickness.

MINIMUM/MAXIMUM APPLICATION THICKNESS

Min: 0.25" (6.3 mm)

Max: 1" (2.5 cm)

May be applied thicker with the use of extender aggregates.

APPEARANCE

Free-flowing powder designed to be mixed with only potable water. It cures to a concrete gray finish.

CLEAN UP

Clean tools and equipment with water before the material hardens.

SHELF LIFE

9 months in original, unopened bag

BRIEF OVERVIEW

INCRETE LEVEL TOP STAIN is an easy-to-use, self-leveling re-surfacing compound, designed for use on either new or worn concrete substrates. INCRETE LEVEL TOP STAIN's acrylic polymer modification provides excellent adhesion, toughness, and long-term durability. INCRETE LEVEL TOP STAIN can be integrally colored, dyed, stained, and epoxy coated for a decorative finish.

PRODUCT CHARACTERISTICS

ADVANTAGES

- Fluid consistency for self-leveling
- Can be integrally colored
- Can be dyed or stained within 6 hours
- Compatable with liquid densifiers
- Acceptable as an underlayment
- Single component re-surfacing
- Can be sealed or epoxy-coated in 24 hours
- Fast turn-around applications

COMMON USES

- Leveling interior concrete substraites
- Decorative wearing surfaces
- Compatable with INCRETE STAIN-CRETE AND INCRETE VIBRA-STAIN
- Retail/commercial flooring
- 1/4" (6.35 mm) to full depth with use of extender aggregate
- 50 °F (10 °C) to 90 °F (32 °C)

COMMON METHODS

- Trowelable
- Pourable/Pumpable

PHYSICAL PROPERTIES

- Single component
- Mix 5 quarts of water per 50 lb bag
- Working Time/Drying Time: 30 minutes
- Initial Set Time: 45 minutes
- Final Set Time: 1 hour

TECHNICAL INFORMATION

TYPICAL ENGINEERING DATA

The following results were developed under laboratory conditions @ 70 °F (21 °C)

Compressive Strength ASTM C 109 2 in (50 mm) cubes

5 hours.....1,000 psi (7 MPa)

24 hours.....2,000 psi (14 MPa)

7 days.....3,000 psi (21 MPa)

28 days.....4,000 psi (27 MPa)

Flexural Strength, ASTM C 348

7 days.....800 psi (5.5 MPa)

28 days.....900 psi (6.2 MPa)

Shrinkage, ASTM C 157 (24 hr cure)....-0.046%

Flow Time.....approx 15 min

Working Time.....approx 30 min

Unit Weight....approx 133 lb/ft3 (2,131 kg/m3)

Set Time, ASTM C 191 Initial.....approx 45 min

Final.....approx 1 hr

DIRECTIONS FOR USE

SURFACE PREPARATION

Concrete surfaces must be structurally sound and free of loose or deteriorated concrete and free of dust, dirt, paint, efflorescence, oil and other contaminants. Mechanically abrade the surface to achieve a surface profile equal to CSP 3-5 in accordance with ICRI Guideline 310.2. Properly clean profiled area. Before installing INCRETE LEVEL TOP STAIN, all concrete subfloors must be primed. INCRETE LEVEL TOP STAIN can be primed with INCRETE HIGH PERFORMANCE EPOXY, or other approved Euclid Chemical epoxy bonding systems, then sanded to refusal. INCRETE LEVEL TOP STAIN can also be primed with Euclid Chemical's TAMMSWELD or EUCOWELD 2.0.

For Epoxy primer, apply mixed INCRETE HIGH PERFORMANCE EPOXY (see product data sheet for mixing instructions) to the properly prepared substrate at a rate of 75 to 100 ft^2/gal (1.8 to 2.5 m^2/L). Squeegee the epoxy into place, scrub it in to the substrate, then backroll to ensure a uniform application. While the epoxy is still wet, broadcast a washed & dried 16/30 mesh silica sand onto the surface until it is completed saturated with sand and appears dry. Application rate for the silica sand is approximately 1 lb/ft (4.9 kg/m^2). After the sand is applied, the surface should have a uniform appearance with no damp or wet areas visible. If so, apply more sand to those areas until they appear dry. Allow the epoxy to cure, preferably overnight. After the epoxy has cured, remove all loose, unbonded sand by sweeping and/or vacuuming it off prior to topping application. INCRETE LEVEL TOP STAIN should only be installed when ambient and substrate surface temperatures are between 50 and 90 °F (10 and 32 °C), with the optimum installation temperature around 70 °F (21.1 °C)

When using Euclid Chemical's TAMMSWELD as a primer, 1 coat of primer (mixed at a ratio of 1 part primer to 1 part water) should be applied followed by a second coat of undiluted primer. For highly absorbent concrete, multiple coats of primer (mixed at a ratio of 1 part primer to 1 part water) may be necessary. The final coat of primer should be applied undiluted. Excessively absorptive concrete surfaces may dry within 20 minutes, if this happens, apply additional diluted coats of primer to ensure that the absorptive substrate is treated. When the excessively absorptive substrate is treated and the diluted primer does not dry before 20 minutes, apply the final undiluted primer coat and allow the primer to dry before applying the INCRETE LEVEL TOP STAIN. Apply primer to properly prepared substrate and work into the concrete surface with a soft-bristle push broom or paint roller. Spread evenly to avoid puddles and to thoroughly coat the surface.

APPLICATION PROCESS

Add one 50 lb (22.7 kg) bag of INCRETE LEVEL TOP STAIN to 5 qt (4.7 L) of cool water in a clean mixing vessel. Mix for a minimum three minutes, and adjust the water by adding up to 1 pint, if required. Add no more than 5.5 qt (5.2 L) of total water. A drill and paddle mixer may also be used. If using an approved Increte integral colorants, add color to water prior to the addition of powder. Pour/pump all mixed material onto the surface and spread with gauge rake at 1/4 in (6.3 mm) or greater up to 1 in (2.5 cm) thick. For pours greater than 1 in (2.5 cm), use with extender aggregates. When applying, be sure to keep a wet edge. Use spiked roller, as needed, to remove any entrapped air. Smooth with Magic Trowel as needed. INCRETE LEVEL TOP STAIN may also be used as a patch/repair compound.

STAINING/SEALING

Once placed and after the INCRETE LEVEL TOP STAIN surface has cured, stains or dyes may be applied. For deeper, richer colors, wash or sand surface prior to application of stains and dyes. For maximum durability and wear resistance apply INCRETE CLEAR SEAL, INCRETE HIGH PERFORMANCE EPOXY, INCRETE WB URETHANE, INCRETE POLYSEAL or any Euclid Chemical Company approved coating. Maintain the surface with INCRETE HIGH GLOSS WAX. **(See product data sheet for application instructions)**

PRECAUTIONS/LIMITATIONS

- For indoor use only.
- When used for a decorative application, a test area is highly recommended to ensure desired results.
- Not for use as a heavy-duty surface for industrial floors.
- Do not add admixtures or calcium chloride.
- Do not use if ambient temperatures will fall below 40 °F (4 °C) within 72 hours after placement.
- Store in a dry place.
- For professional use only.
- In all cases, consult the Safety Data Sheet prior to use.

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