

LEVEL TOP STAIN

STAINABLE SELF-LEVELING OVERLAYMENT

DESCRIPTION

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

PRIMARY APPLICATIONS

- Leveling interior concrete substrates
- Decorative wearing surfaces
- Retail/commercial flooring
- Compatible with STAIN CRETE and VIBRA STAIN

FEATURES

- Fluid consistency for self-leveling
- Can be integrally colored
- Floor can be dyed or stained
- Compatible with liquid densifiers
- Acceptable as an underlayment
- 1-Component re-surfacing
- Can be sealed or epoxy-coated in 24 hours
- Fast turnaround applications

TECHNICAL INFORMATION

Typical Engineering Data

The following results were developed under laboratory conditions @ 21 °C

Compressive Strength ASTM C 109 50 mm cubes

5 hours.....	7 MPa
24 hours.....	14 MPa
7 days.....	21 MPa
28 days.....	27 MPa

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

Flow Time.....approx 15 min

Working Time.....approx 30 min

Unit Weight..... approx 2,131 kg/m³

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

Final.....approx 1 hr

Flexural Strength, ASTM C 348

7 days.....5.5 MPa

28 days.....6.2 MPa

Appearance: Level Top STAIN is a free-flowing powder designed to be mixed with only potable water. It cures to a light concrete gray finish.

PACKAGING

LEVEL TOP STAIN is packaged in 22.7 kg bags that yield approximately 0.012 m³ of material.

SHELF LIFE

6 Months in original, unopened bag.

COVERAGE

A single bag of LEVEL TOP STAIN should cover approximately 2.2 m² @ 6.35 mm, 1.3 m² @ 9.5 mm thickness.

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 LEVEL TOP STAIN, all concrete subfloors must be primed. LEVEL TOP STAIN can be primed with HIGH PERFORMANCE EPOXY, or other approved Euclid Chemical Company epoxy bonding systems. LEVEL TOP STAIN can also be primed with Flex-Con.

For Epoxy primer, apply mixed HIGH PERFORMANCE EPOXY (see product data sheet for mixing instructions) to the properly prepared substrate at a rate of 1.8 to 2.5 m²/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 completely saturated with sand and appears dry. Application rate for the silica sand is approximately 4.9 kg/m². 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. LEVEL TOP STAIN should only be installed when ambient and substrate surface temperatures are between 10 and 32 °C, with the optimum installation temperature around 21.1 °C.

When using Flex-Con as a primer for normal concrete, 1 coat of primer (mixed at a ratio of 1 part primer to 1 part water) should be applied followed by a second coat on 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 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 22.7 kg bag of LEVEL TOP STAIN to 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 5.2 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 6.3 mm or greater up to 2.5 cm thick. For pours greater than 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. LEVEL TOP STAIN may also be used as a patch/repair compound.

STAINING/SEALING

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

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