

LEVEL TOP SP

STAINABLE/POLISHABLE SELF-LEVELING OVERLAYMENT

DESCRIPTION

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

PRIMARY APPLICATIONS

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

FEATURES

- Fluid consistency for self-levelling
- Can be integrally coloured
- Floor can be dyed or stained within a few hours
- High early strength for fast turnaround
- May be polished in 24 hours
- Acceptable as an underlayment
- 1-Component re-surfacing
- Can be epoxy-coated in 24 hours
- Compatible with liquid densifiers

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 N/mm ²
24 hours:	14 N/mm ²
7 days:	21 N/mm ²
28 days:	34 N/mm ²

Shrinkage

ASTM C 157 (24 hr): -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 N/mm²

28 days:

6.2 N/mm²

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

PACKAGING

LEVEL TOP SP is packaged in 25 kg bags that yield approximately 0.013 m³ of material.

SHELF LIFE

6 Months in original, unopened bag.

COVERAGE

A single bag of LEVEL TOP SP should cover approximately 1.4 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 4-6 in accordance with ICRI Guideline 310.2. Properly clean profiled area. Before installing LEVEL TOP SP, all concrete subfloors must be primed with two coats of BOND-CRETE primer. Alternately, the concrete can be primed with HIGH PERFORMANCE EPOXY and broadcast with clean and dry silica sand to refusal. Once the epoxy has dried, remove excess silica sand. LEVEL TOP SP 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.

APPLICATION PROCESS:

Add one 25 kg bag of LEVEL TOP SP to 5.2 L of cool water in a clean mortar mixer. Mix for a minimum three minutes, and adjust the water by adding up to 330 mL, if required. Add no more than 5.5 L of water. A drill and paddle mixer may also be used. If using integral colorants, add colorant 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 and 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. Smooth with Magic Trowel as needed. LEVEL TOP SP may also be used as a patch/repair compound.

STAINING/SEALING/POLISHING:

Once placed and after the LEVEL TOP SP surface has cured, stains or dyes may be applied. For deeper, richer colours, acid wash prior to application of stains and dyes. For maximum durability and wear resistance apply CLEAR SEAL, HIGH PERFORMANCE EPOXY, or URETHANE. Maintain the surface with HIGH GLOSS WAX. LEVEL TOP SP may also be chemically hardened with PRO-POLISH DENSIFIERS and polished to a high-gloss finish. PRO-POLISH GUARD is recommended to protect your polished floors.

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 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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