

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 0.014 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 @ 10 mm thickness.

DIRECTIONS FOR USE

SURFACE PREPARATION:

By enclosed shot blasting or scarification. Finish edges with hand tools. Remove all residues to leave a dry and dust free open textured surface. Seal all openings and holes to prevent leaks. Apply a self-adhesive foam strip around the perimeter walls of the application area to de-bond the topping from the building structure.

Prime with Flowprime (or two coats of Hydraseal DPM if RH of substrate exceeds 75%). Fully blind primer to excess with Natural Quartz size 5 (1.0 –1.8 mm) while still wet. Allow to cure and remove excess Quartz. Dilute Isocrete Primer 1:5 with clean water and pour into a low pressure garden spray type applicator.

Spray on a fine, even covering to wet and whiten the surface of the quartz (do not pond). Allow to dry clear.

LEVEL TOP SP should only be installed when ambient and substrate surface temperatures are between 10 and 30°C, with the optimum installation temperature around 20°C.

APPLICATION PROCESS:

Add one bag of Level Top SP to *5.0 L of cool water in a clean mortar mixer. Mix for a minimum three minutes. Note. Add no more than 5.0 L of water in total. *If necessary assuming that measured flow rate is between 220-240mm, reduce the water demand by up to 300 ml. When adding Thin-Crete Color Pack, add colorant to water prior to the addition of powder.

Pour/pump all mixed material onto the surface and spread at a constant thickness with gauge rake (min. 7 mm 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.

(If required) **LEVEL TOP SP** may also be used as a patch/repair compound, which is then allowed to sufficiently cure before priming as above.

Mixed screed should be laid in a continuous operation on to cured and sand blinded Flowprime or Hydraseal DPM.

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. **LEVEL TOP SP** may be chemically hardened with EUCO DIAMOND HARD and polished to a high-gloss finish. ULTRAGUARD is recommended to protect and maintain 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.

Rev: 23/04/18