

# CAPLEVEL TOP

## CEMENTITIOUS SELF LEVELING FLOORING – UNDER LAMENT COMPOUND

### DESCRIPTION

**CAPLEVEL TOP** is a mixture of specially selected micro fine cements, graded aggregates and synthetic resin. It requires only the addition of water to produce a smooth free flowing and self leveling material that can be laid from featheredge up to a thickness of 5mm. It provides a smooth surface that does not reflect substrate imperfections and requires minimum trowelling.

### COLOUR

Grey

### USES

**CAPLEVEL TOP** is used to fill and level large floor areas prior to installation of finished floor coverings. **CAPLEVEL TOP** is applied to dry, primed interior concrete, and structurally sound floor surfaces. It is also ideally suitable for surface leveling of precast concrete floor sections. **CAPLEVEL TOP** fills small holes, static cracks and depression as it levels and provides a smooth level, monolithic substrate ready for application of floor, tile linoleum, sheet vinyl, carpet or other floor covering. **CAPLEVEL TOP** is not a wearing surface and it must be protected with a final floor covering. Always apply a test area of **CAPLEVEL TOP** to confirm the suitability of application and use.

### ADVANTAGES

- Requires only on-site addition of water.
- Self-smoothing.
- Excellent bond.
- Suitable for tough job site conditions.
- Can be trowelled to feather edge.
- Economical.
- Can be laid from featheredge to 5mm. Thicker coating can be achieved by addition of clean sharp sand.

### TYPICAL PROPERTIES

The test results given below were determined on laboratory specimen with 0.21 w/p ratio.  
Working time at 25°C is 15 to 20 minutes.

**Foot traffic** : 8 to 12 hrs at 25°C  
6 to 8 hrs at 35°C

### DIRECTIONS FOR USE

#### Surface preparation:

Surfaces must be dry, structurally sound, clean, and free of dust, dirt, wax, oil, grease, asphalt, mastic, loosely adhering material, plaster and cement droppings. All floors to be covered must be solid and have a rigid base.

Excess laitance should be removed by light scrubbing, blasting or etching followed by washing and vacuuming to remove dust debris.

Large cracks and holes may be filled up using a mix consisting of equal volumes of **CAPLEVEL TOP** and clean sharp sand made up to a trowel able mortar by the addition of minimum amount of water.

#### Priming:

Porous surfaces of concrete and sand cement screeds should first be dampened with water and primed with **CAPSUPER BOND**, diluted with water at a rate of 1 part of **CAPSUPER BOND** to 2 parts of water.

Apply a thin continuous coat, free of pinholes with a soft bristle brush or broom. If pinholes develop in the first coat, apply a second coat after the first coat has dried.

Apply **CAPLEVEL TOP** within 24 hours of primer application. Very porous concrete floor may require two coats of primer.

Before laying ensure that the bag of **CAPLEVEL TOP** is stored in a cool area. Very hot material will lose fluidity rapidly and will set rapidly.

#### Mixing:

**CAPLEVEL TOP** should be mixed with a clean rotary mixer, equipped with rubber tipped blades, or by a heavy duty drill fitted with a paddle. Each 25 kg bag require 5.25 liters of cool, clean water to produce a mix of free flowing self-leveling consistency.

Best results are obtained by following this simple mixing procedure:

- Pour 90% of the total required mixing water into the mixing vessel.
- Slowly add the 25 kg of **CAPLEVEL TOP** into the mixer under continuous mixing, until a smooth
- Consistency is obtained mix for minimum 2 minutes

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- Slowly add the remaining water as per requirement to obtain a smooth self-leveling pourable mix.
- Mix only a reasonable quantity of **CAPLEVEL TOP** that can be laid within the flow time of material. Ensure that subsequent mixes are ready, to enable continuous pouring, until the whole area to be surfaced is complete. Care should be taken while mixing to avoid aeration due to mix speed.
- Clean the mixer thoroughly after each batch to avoid material built up.

### Application:

Pour the mixed material to the previously primed surface and spread at the desired thickness using a notched trowel, underlayment spreader or similar equipment and allow to self-level. To release air properly, the **CAPLEVEL TOP** can be rolled with a spiked roller as soon as it has been leveled. If the **CAPLEVEL TOP** is to be laid at depths greater than 5 mm, equal weights of clean dry silica sand with **CAPLEVEL TOP** should be used to fill out the material to reduce the risk of cracking.

Rolling must be done immediately after placing the material. Do not attempt to float the setting surface. If high spots or splashes occur these can be scraped off with the edge of trowel after initial set. The required thickness must be achieved in one application. Best results are achieved if the pouring and leveling is a continuous process until the designated area is completely leveled.

### Curing:

**CAPLEVEL TOP** does not require curing. However it should be protected from direct sunlight, draughts and strong drying wind blowing across the surface of freshly laid surface to prevent rapid hydration. Under adverse conditions, freshly hardened surface to be cured for 48 hours with wet Hessian completely covered with polyethylene sheet.

### Floor adhesive:

Non moisture sensitive adhesive can be applied immediately after the surface accepts foot traffic; other types should not be applied until 48 hours have elapsed since **CAPLEVEL TOP** has been laid.

### Cleaning:

**CAPLEVEL TOP** should be removed from tools, equipment and mixers with clean water immediately after use.

### GENERAL NOTES

Application should not commence if the temperature of substrate is below 5°C.

Turn off under floor heating and allow the sub floor to cool before the application of **CAPLEVEL TOP** and do not switch it on again for at least 24 hours after completion.

- Do not over water, over mix or retemper.
- Do not add cement, lime, gypsum, bonding agents etc. to the compound except specified aggregates.
- Do not apply **CAPLEVEL TOP** over particleboard, gypsum, asphalt or light weight concrete.

### PACKAGING

**CAP LEVEL TOP** : 25 kg bag.

**CAPSUPER BOND** : 5 liter cans and 20 liter pails.

### STORAGE

**CAPLEVEL TOP** should be stored over pallets in a cool dry place. Shelf life will be 12 months in unopened bags.

### SAFETY PRECAUTIONS

**CAP LEVEL TOP** does not contain toxic materials. Care should be taken to avoid inhalation of dust and to prevent material entering into eyes.

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#### TECHNICAL SERVICE:

Our Technical Service Department is available at any time to advise you in the correct use of this product or any other Ahlia products.

**Note** : The information presented herein is based on the best of our knowledge and expertise for which every effort is made to ensure its reliability. Although all the products are subjected to rigid quality tests and are guaranteed against defective materials and manufacture, no specific guarantee can be extended because results depend not only on quality but also on other factors beyond our control.

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