



## Technical Data Sheets

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# MICRO-TOPPING

## DESCRIPTION

**MICRO-TOPPING** is a premium quality bi component multipurpose decorative and resurfacing polymeric-cementitious topping, it is recommended for resurfacing, interiors and exteriors, but it is especially useful to renovate interior floors prior to use Acid Stain or Dye Color. You can also color the mortar with the Colortop to obtain spatula like effect.

Micro-topping can be applied on existing floorings to avoid costs of demolition and transport to landfill.

Although the Micro-Topping surface thickness is only of 2-3 mm you obtain the following characteristics:

- High strength
- Resistant to abrasion, fading and staining.
- Excellent adhesion to clean, sound concrete surfaces.
- Fast drying, quick re-coat time.
- May be used on interiors and exteriors.
- Fast drying, quick re-coat time.
- Feathers to zero thickness.
- Adds a cooler non-skid surface to concrete
- Attractive decorative finish.
- High Strength, resist high foot traffic on commercial applications.
- Not affected by weather or freeze and thaw cycles

## COMPOSITION

The system is composed by Microtopping is a mixture of a unique blend , sand, cement, admixtures and additives and Polytop acryl polimer.

This mix form a unique product that may be used for a number of applications and surfaces. This special mixture combines the best properties of each component into a product that has enhanced adhesion, superior freeze thaw resistance, increased wear and abrasion resistance and excellent workability.

This set of characteristics let the Micro- Topping be an economic, easy to use products that perfectly react with any kind of climate.

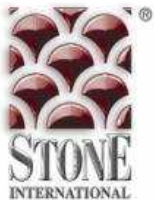
Il Micro-Topping is a bi component polymeric-cementitious overlay used where a very thin, smooth finish topping is desired.

It bonds tenaciously to all well prepared cementitious sub bases such as concrete, other overlays, self levellers, tile, ceramic etc.

This product also delivers an attractive decorative floor to interior and exterior surfaces. Micro-topping is white.

## FLOOR PREPARATION

New concrete should be cured for at least 14 days in warm weather climates and 28 days in cold weather. All surfaces must be free of oils, grease, dirt, mildew, paint, curing agents and



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anything that will prevent topping from adhering to the surface. Concrete must be acid etched with a solution of 1 part muriatic acid to 3 parts water, apply with a water sprinkle can and move around with a push broom in a circular motion to evenly spread acid over concrete and rinse thoroughly. If mildew or algae is present, scrub the same way with a solution of chlorine and water. Surface should also be degreased with a commercial grade degreaser and rinsed. Shot Blasting, Sanding or other mechanical methods (floor sander with abrasive pads, or sand, or both) may also be used. Rinse well and remove all residues before installation

Micro-Topping is available in two different formulations: : Micro-Topping R e Micro-Topping S. The first one is used as a base coat , the second one is used as a final coat when a very smooth surface is desired.

### APPLICATION

**Mix preparation Micro-Topping R:** Mix 9kg of Polytop with a Kg 20 bag of Micro-Topping ; if the mixture is too dense add water till you reach the desired consistency. The yield is about 20-25 m<sup>2</sup> depending on substrate.

**Micro-Topping R** may be applied by squeegee or trowel in a single coat process to a thickness of approx 1 mills. A second coat is mandatory if the surface is too much irregular and before the second coat sand the surface and remove the dust.

**Mix preparation Micro-Topping S:** Mix 9kg of Polytop with a Kg 20 bag of Micro-Topping ; if the mixture is too dense add water till you reach the desired consistency. The yield is about 20-25 m<sup>2</sup> according on the application method.

Once the base coat done with Micro-Topping R is dried sand it and remove the dust. Apply Micro-Topping S by squeegee or trowel in a single or multiple coat process to a thickness of approx 2 mills. Among coat sand the surface and remove the dust.

### COLOR

The standard color for Micro-topping R/S is white: is possible to colour them using Colortop product available in colors as in the table color chart.

Colortop is an UV resistant water based pigment you can add to Micro-Topping mixture obtaining a uniform colour.

Add 0,8kg of Colortop in the 9kg of Polytop and mix it properly then add the Microtopping and mix properly . According to the quantity of Polytop used you can have different colour hues and intensities. Is it also possible to add different colour in the Micro-Topping Mixture.

### SEALING

Two coats of Polystone TR100 are recommended ( allow enough drying between coats).

### WARNING

Store Micro-Topping in a dry and fresh place, if perfectly closed it lasts for 8 months. During working sections the use of anti dust mask and protective gloves is mandatory.

### CONCLUSIONS

The obtained pavement is highly resistant to freezing, salts, chlorine, acids, oils, etc