

POLYTOP

Cementitious microcement or micro topping skim coat

DESCRIPTION

POLYTOP is a preblended, polymer modified, cementitious colored microcement or micro topping skim coat, for horizontal & vertical internal & external walls, for resurfacing concrete & cement-based surfaces.

POLYTOP is made of a unique blend of cement, sand, selected aggregates, special polymers & admixtures, that gives Polytop its enhanced properties. It can be troweled smooth or lightly textured.

Colors: A wide range of colors is available.

USES

Polytop is mainly used in residential & commercial areas. (hotels, restaurants, showrooms, etc.), typical applications include floors indoors & outdoors, with light vehicular traffic or pedestrian traffic, building entrances, patios, pool decks, etc...

POLYTOP is applied in several layers, the thickness of each layer ranges from feather edge to 1.5 mm.

LIMITATIONS & PRECAUTIONS

- Do not use outdoors when rain is expected within 7 days.
- POLYTOP should not be used as a topping for industrial floors.
- POLYTOP should be sealed with a suitable sealer such as solvent based acrylic sealer or polyurethane sealer or epoxy sealer.
- New concrete should be cured for at least 28 days.

PROPERTIES

- Indoors & outdoors applications
- Durable
- Economical
- Water resistant
- Excellent bonding on cementitious substrates
- No primer needed on strong substrates
- Allows the substrates to breathe
- Excellent wear resistance
- Used to resurface old surfaces (primer needed)
- Easy to install
- UV resistant

APPLICATION PROCEDURE

Do not use in extreme temperature or windy conditions substrate temperature can affect set times. The substrates should be clean.

The areas on which POLYTOP is to be applied should be clean, sound, and the concrete should be fully cured. The surface must be free from all sealers, dirt, oil, paint, moss, dust & other contaminants.

Damaged & deteriorated concrete should be repaired using a repair mortar. Cracks, holes should be chiseled and filled using a repair mortar. The repair material should be allowed to fully cure and dry for 2-3 days before the application of POLYTOP. Control joints in the substrate must be respected.

POLYTOP can be applied on cement-based substrates without any primer. On ceramic tiles indoors or on wood or metal, a primer is needed and a fiberglass mesh should be inserted. On highly absorbent surfaces, a primer is needed.

Each 15 Kg of POLYTOP should be mixed with approximately 4.5 liters of clean water until it becomes a homogeneous paste.

It is better to use an electrical drill for mixing. Care should be taken to pour the water into the container before adding POLYTOP. The mix should be left to stand for 5 minutes and then it should be stirred again. The paste is then ready to be used. The mixed mortar should be used within 10-30 minutes depending on the ambient temperature. POLYTOP is applied to the substrate using a metal trowel in 2 or 3 layers, each layer to have a maximum thickness of 1.5 mm. Each layer is to be applied when the previous layer has dried.

In order to increase the dimensional stability, an Alkali resistant fiberglass net, app.

4mm x 4mm can be inserted between the first and second layer, especially when used on top of tiles.

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After application, surfaces should not be subjected to water until 14 days from date of application in order to allow for POLYTOP to cure completely and reach a reasonable strength before being put in service.

Allow 48 hours to sand the surface using a polishing machine with sand paper 120-200, or before applying stains or sealer topcoats, to reduce the chance of blushing or efflorescence formation.

TECHNICAL SPECIFICATIONS

Pot life: approximately 15 minutes at 20°C.

COVERAGE

3 to 6 Kg/m² depending on the degree of roughness of the surface.

PACKAGING

15 Kg bag

SHELF LIFE

Can be kept for 12 months minimum in the original unopened packings in dry places, at temperatures of 5-35°C.

The information contained herein corresponds to the best of our knowledge. The user must ensure beforehand that this product is suitable for a certain application. The user alone is fully responsible for any consequences deriving from the use of this product.