

MonniTop Cemento

Cementitious Coating System for Decorative Concrete Finishes



Product Description

The newest generation of decorative solutions, called MonniTop Cemento, consists of a liquid latex component and a colored micro cement powder component. When the two ingredients are combined in a certain ratio, a slurry and putty coat are created that may be used as a decorative topcoat on walls, floors, and a variety of other surfaces.

MonniTop Cemento is intended to be applied over various substrate types in two to three thin layers with a maximum total thickness of two millimeters (mm) in order to give a novel, patterned, or random architectural finish.

Uses

- ▶ Colored skim treatment to walls, floors and ceilings
- ▶ Wet areas such as bathrooms and kitchens
- ▶ Architectural finishes for stores, houses, hotels and showrooms
- ▶ Cementitious micro-topping
- ▶ Horizontal and vertical surfaces

Advantages

- ▶ Resilient Hard Wearing
- ▶ Seamless
- ▶ Fire Resistant
- ▶ Stain resistant subject to sealer selection.
- ▶ Excellent compressive and flexural strengths.
- ▶ Can be used for interior and exterior applications
- ▶ Solvent Free
- ▶ UV stable
- ▶ Marine Ply Compatible

Consumption

1.75 kg/sqm/mm thick coat depending on surface conditions.

Packaging

MonniTop Cemento is supplied in 30 Kg Kit.

Instructions for Use

Surface Preparation

Concrete must be solid, clean, free from oil, grease, dirt and paints. The surface can be prepared mechanically using sand blasting for large areas or steel brush for small areas.

Curing compounds or shuttering oils should be completely cleaned out.

Damaged concrete should be repaired with a suitable cementitious repair mortar. Pinholes should be widened, cleaned and filled. Prior to application the surface should be soaked with clean water. Excess standing water must be removed.

Mixing

MonniTop Cemento is supplied in pre-measured quantities. Start mixing the product by adding the powder to the liquid and mix using slow speed mixer. Mix for about 3 minutes.

The mixture should be placed immediately after mixing. Mix enough material that can be applied within the pot life time.

Primer:

MonniTop Cemento adheres well to the majority of substrates. To seal surfaces that are porous and absorbent, a primer should be used to seal the porosity and prevent the product from becoming dehydrated. Apply the primer on cementitious or vitrified substrates to make installation easier.

MonniPrime EF is recommended for this use.

Application

It is advised to apply MonniTop Cemento in two crossed coats of 2 mm total thickness. The second coat should be applied once the previous one has dried. In case of using fibre glass mesh reinforcement, apply the first coat with 2mm thick. Place the reinforcing non-woven fabric on the first coat while it is still fresh. Apply the second coat within 24 hours. Apply an extra coat on corners and around rain or drain outlets.

Cleaning

Tools and equipment should be cleaned with water immediately after use.

Technical Data

Category	Typical Values
Form	2 components system Powder Liquid
Colour	Wide range of colours
Density at 25°C Powder	1.4 kg/L
Liquid	1.1 kg/L
Wet Mix Density at 25°C	1.55 kg/L
Pot life at 25°C	45 minutes
Elongation (ASTM D 638-99)	45%
Compressive Strength	> 13 N / mm ²
Flexural Strength	> 6.5 N / mm ²
Tensile strength (ASTM D 638-99)	1.25 N / mm ²
Bond strength (ASTM C321)	0.8 - 1.0 N / mm ²
Chloride resistance (ASTM C 1202)	Passed
Water penetration	Nil
Water absorption @ 30 minutes	0.5 g
Low Temperature Flexibility	Passed
Crack Bridging	Passed
Application temperature	+5°C to +35°C

All values are subject to 5-10% tolerance

Recommendations

- ▶ During windy or sunny days, spray water onto the surface to avoid the rapid evaporation of water.
- ▶ Do not apply at a temperature below +5°C
- ▶ Do not use on substrates with possible moving cracks.
- ▶ Do not apply higher thickness to avoid possible cracks appearance.
- ▶ it is recommended to conduct compatibility trial test between two coatings.

Shelf Life & Storage

Keep the product in dry place and its original containers. In these conditions, product shelf life will be 12 months.

Health & Safety

During application, wear appropriate protective clothing, goggles, gloves and respiratory equipment.

Avoid inhalation of vapours. In case of contact with skin, rinse with water and again wash thoroughly with soap and water.

In case of contact with eyes, rinse with plenty of water and seek medical advice accordingly. If ingested, obtain medical attention immediately. Do not induce vomiting.



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