

DECOCRETE MT

Fine Resurfacing Cementitious Micro Topping Skim Coating

Description:

DECOCRETE MT is an extremely fine, high performance, colored based cementitious micro topping which is versatile, and can be troweled, sprayed, brushed or roll applied to produce a smooth, slightly mottled, decorative thin finish.

The product is formulated to act as a cementitious coating that works mainly as a concrete surface renewal. It creates a durable, attractive, smooth and economical floor and wall covering for new and old residential and light commercial buildings. DECOCRETE MT can be easily applied and requires minimal maintenance. It is excellent for skimming floors prior to chemical staining.

Once mixed with water, the product will have an excellent consistency. If mixed with ELASTOGRIP, the product can be applied for roof resurfacing, repair of irregular deteriorated and delaminated concrete surfaces and for water tight plastering of submerged concrete surfaces.

Advantages:

- Permanent adhesion to difficult substrate
- Outstanding bonding on concrete
- Highly flexible, durable coating
- Fast drying, self-curing UV resistant coating
- Superior resistance to shrinkage
- Excellent water permeability
- Excellent mold resistance
- Internally provides a clean allergic free environment
- For external and internal applications
- Available in 40 standard colors

Uses:

- Substrate profile resurfacing for floors and walls
- Used as a top colored tinting, restoration or antique for floors and walls

- Can be applied as cementitious water proofing coating.
- Can be applied from feather edges up to 2 mm. more thickness need to be in layers
- Can be applied by spray gun on walls to tint and color the plaster or concrete surfaces to give an artificial rock look
- Ideal for restoring existing concrete floors and walls
- Very compatible with new concrete, cement based tiles, cementitious terrazzo, masonry, and primed wood surfaces.
- Can be used to unify the appearance of the concrete surfaces.

Instructions for Use:

Surface Preparation:

The support must be clean, solid and free from dust, grease, friable parts, paint, release agent efflorescence, etc. It is extremely important to repair any irregularities, holes, cracks that the surface has before applying the micro topping.

If application on old concrete, the surface should be thoroughly cleaned by water jet or by blasting. Smooth concrete surfaces must be mechanically abraded to ensure a good bond.

Ensure that all cracks are properly repaired before application. Application on non-repaired cracked might result in cracking and delamination of the applied coat.

Any existing coatings should be completely removed from the surface. Grinding is required to produce a clean flat surface.

For application on cementitious tiles, or when heavy duty flooring is in use, it is recommended to embed high tensile 150 gr. fiberglass mesh between the two coats of CEMGRIP.

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Priming:

For flooring application, the surface must be coated first with two layers of CEMGRIP to provide an additional keying coat, unify the surface absorption, and level out any small holes or slight imperfections in the surface. Saturate the surface with clean water, then remove all standing water. Substrate should be saturated surface dry (SSD).

On highly absorption surfaces such as cement boards or old plaster surfaces, it is highly recommended to prime the surface with a coat of ARMOPRIME AC.

Mixing:

Always add the product to clean potable water when mixing. Water to powder mixing ratio depends on the method of application. Mix properly for 2 to 3 minutes to insure proper color and material dispersion with water. Allow the mix to stand for 3 minutes and re-tamper.

Application:

In extreme warm conditions and on porous surfaces, dampen the surface to prevent rapid moisture loss through evaporation and suction.

DECOCRETE MT can be applied by sponge, brush, roll, spray, or trowel, depending on method of application:

For roll application, use ½" nap roller for smooth finish, and ¾" nap for rough finish. The amount of water used in the mix will determine the tinting of the coat. The higher the amount of water, the more light tinting the finish will be. A minimum of one part of DECOCRETE MT to one part water is needed for ease of application. Up to three parts of water can be added for light tint finish.

DECOCRETE MT can be applied by trowel or scrapper for a strong, high-wearing decorative layer. The mixing ration can vary widely depending on the desired effect and the area of application. For application on vertical surfaces, a slightly thicker consistency is required. As a start, use a ratio 2:1 of powder to water to get a workable paste, then adjust the ratio if needed

For a smooth finished flooring, first apply first a minimum of two coats of DECOCRETE MT by squeegee. Once completely dry, lightly sand the surface to remove any ridges or marks from the squeegee. Then apply the final smooth layer by trowel. Mix one part of powder to one part water and apply a skim coat using a steel trowel with good pressure on the floor substrate. For a more color variegated look, apply another coat with a higher dilution ration once the previous layer has fully dried.

Curing:

DECOCRETE MT is self-curing and does not require any kind of curing. The applied coat dries in approximately 30 minutes. Coated flooring can be ready for light foot trafficking in 3 hours and for heavy trafficking in 24 hours.

Sealing:

It is highly recommended, especially for flooring application to seal the final applied coat of DECOCRETE CM with a sealer material to protect it from staining. Check with MATEX tech staff to recommend one of the SEALEX range of sealers. For maintenance purpose, reapply sealer on periodic bases when needed to protect against trafficking.

Packaging:

DECOCRETE MT is available in 17 Kg bucket.

TECHNICAL PROPERTIES

Density	: 1.7 Kg/m ³
Workability Time	: 30 minutes at 25°C
Coat Thickness	: Feather edge to 2mm
Compressive Strength	: 5.0 N/mm ²
Flexural Strength	: 2.0 N/mm ²
Adhesion Strength	: 2.1 N/mm ²
Shrinkage	: Nil
Toxicity	: Nil
Noxiousity according	: No
ECM 88/379	
Mixing Ratio	: 7.5 to 7.75 Ltr. of water for 25 Kg Bag
Vapour permeability	: ≤ 13
Water absorption	: ≤ 0.35 Kg/m ²
Fire resistance as p	: Class A1
UNI EN 13501-1	

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Coverage:

Coverage depends on largely on the experience of the applicator, application technique, surface texture and thickness applied.

Storage Conditions:

Store DECOCRETE MT in dry and covered area away from direct sun light. Keep material protected from rainfall and avoid excess compaction.

Shelf Life:

Shelf life is 12 months in original unopened bag when the above conditions are met.

Cleaning:

Clean used tools with water before product dries.

Recommendation:

- Always test a small area to ensure bonding ability and satisfaction of appearance before starting the application.
- For external application, do not apply DECOCRETE MT in rainy weather.
- Do not apply if temperature is below 5C or exceed 35 C.
- Do not apply in windy conditions or onto hot surfaces as this will expose the product to rapid moisture loss.
- During summer, working are should be protected from direct sunlight and high temperature. Use cold water for mixing.
- After mixing, no further water should be added to the mix.

Health & Safety:

DECOCRETE MT is a cement-based product. Avoid contact with skin or eyes. Provide adequate ventilation in working place to avoid inhalation of dust.

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This technical data sheet is not considered as local building codes. It shall be used as general reference for the product, based on our current knowledge and experience. However the company do not accept any liability arising from the use of its products as it has no direct control on how and where the product is applied.

