

# DECOCRETE MT

## Fine Resurfacing Cementitious Micro Topping Skim Coating

### Description:

DECOCRETE MT is an extremely fine, high performance, colored 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.

### 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 needed 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.

### 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

### 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 substrate 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.

#### Priming:

For flooring application, the surface must be coated first with two layers of ARMOPRIME GRIP-bonding promoter primer 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).

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On highly absorptive surfaces such as cement boards or old plaster surfaces, it is highly recommended to prime the surface with a coat of ARMOPRIME AC- single component acrylic-based primer.

## 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 ensure 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 ratio 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. This ratio may be adjusted if needed.

For a smooth finished flooring, initially apply 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 ratio once the previous layer has fully dried.

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

## 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 Technical Department to recommend one of the SEALEX range of sealers. For maintenance purpose, reapply sealer on periodic bases when needed to protect against trafficking.

TECHNICAL PROPERTIES	
Density	1.7 ± 0.03 kg/lit
Workability @ 25°C	30 minutes
Coat Thickness	Feather Edge to 2 mm
Mixing Ratio	6.0 -6.8 lit of water for 17 kg material
Adhesion Strength	2.1 N/mm <sup>2</sup>
Compressive Strength	5.0 N/mm <sup>2</sup>
Flexural Strength	2.0 N/mm <sup>2</sup>
Shrinkage	NIL
Toxicity	NIL
Noxiousity according to ECM 88/379	N
Vapour Permeability	≤13
Water Absorption	≤0.35 kg/m <sup>2</sup>
Fire Resistance as per UNI EN 13501-1	Class A1

\*Values indicated may vary depending on the environment and conditions of the material. Figures given are tested according to standard laboratory conditions.

## Coverage:

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

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## Packaging:

DECOCRETE MT is available in 17 Kg bucket.

## Storage Conditions:

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

## Shelf Life:

DECOCRETE MT can be utilized within 12 months of production date if stored in proper conditions in an unopened original packing.

## Cleaning:

Clean used tools with water before product dries. Hardened materials can only be removed mechanically.

## 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 5°C 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 area 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:

- Avoid contact with eyes and skin. Wear suitable protective clothing such as coveralls, goggles, dust mask and gloves. Use barrier cream. Ensure that there is adequate ventilation. Do not breathe vapour or spray mist.

## FIRST AID:

- Eyes: In the event of accidental splashes, flush with warm water and seek medical advice.
- Skin: Wash skin thoroughly with soap and water
- Inhalation: Remove to fresh air, keep patient rested
- Ingestion: Do not induce vomiting. Seek immediate medical attention.

For further safety information, please refer to DECOCRETE MT Material Safety Data Sheet.

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*MATEX warrants that its products are free from material and manufacturing defects. Instructions on how to use the product should be strictly followed to ensure effectivity and safe use. MATEX shall not be liable either directly or indirectly for any damages to personal, equipment or products that may occur as a consequence of the failure of any products application because it has no direct or continuous control over where or how its products are applied. It is the user's responsibility to acquire always the updated version of datasheets.*

