



MAS MICROCEM

General Description:

MAS MICROCEM is a high quality two component multipurpose decorative and resurfacing material based on a special binder and natural limestone to decorate floors and walls. It is recommended for interior and exterior but it is most useful in redecorating interior floors/walls with a choice of different colours.

Major Uses:

MAS MICROCEM can be applied on well prepared substrates such as wall and floors. It adheres firmly to concrete, overlays, tile, ceramics and other cementitious surface.

Advantages:

- Natural mineral material
- Contains low VOC
- Wide range of finishes
- Wide range of colours available
- Good workability
- Good water vapour permeability
- Hard wearing
- Resistant to abrasion
- Unaffected by weather or freeze

Characteristics and Physical Properties:

	Base	Top
Colour	See Product Catalogues	
Appearance	Paste	
Fire Rating	0 (non-flammable/non-combustible)	
Specific Gravity	1.74 kg/L	1.416 kg/L
Solid Content	73%	53%
Coverage Rate	600-700 g/m ²	200-300 g/m ²
Drying Time	6-12 hrs	4-10 hrs
Mixing ratio	70:30	50:50
Dilution	Water (if required)	

Surface Preparation:

Concrete

- New concrete should be cured for at least 28 days. All surfaces must be free from oil, grease, dirt and other foreign matters that will prevent the material from adhering to the surface.
- Old concrete floors should be mechanically clean and if contaminated, Degreaser is recommended.
- All laitance and loose materials must be removed from the concrete surface. Apply 1 coat of multi – etch solution followed by thorough washing with water and let it dry.
- Never attempt to apply MAS MICROCEM over wallpaper or lining paper and great care should be taken on surfaces that are already decorated. It can be applied on painted surfaces provided the paint is well bonded to the wall or on the floor.
- A flat substrate is vital to achieve a good quality results as any bumps or imperfections may show up in the finished product.
- All cracks must be filled with appropriate putty filler prior to commence on topcoating.

Tiles/Ceramics:

- Surface should be treated with shot blasting, sanding or other mechanical methods such as floor sander with abrasive pads or abrading with sandpaper.
- Rinse well the surface and remove all residues before application of recommended sealer.

Priming:

The object of priming is to seal the substrate to prevent air release, serve as concrete conditioner and bonding agent. In this case, use Primkote or Uniseal to be applied by brush or roller and allowed to dry before installation

The above information is given to the best of our knowledge based on laboratory test and practical experience. However, as the paint is often used under condition beyond our control, we cannot guarantee anything but the quality of the paint itself. We reserve the right to change the given data without prior notice.

MAS PAINTS & CHEMICAL INDUSTRY

P.O. BOX NO: 23085, SAJJAH INDUSTRIAL AREA, SHARJAH, U.A.E

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Mixing and Application Method:

BASECOAT

- MAS MICROCEM BASE should be mixed with a forced action mechanical mixer or by heavy duty drill fitted with purpose made paddle.
- Mix MAS MICROCEM Base B with desired colour into the mixing vessel and slowly add MAS MICROCEM Base A in accordance with the required mixing ratio whilst continuously mixing until a smooth consistency is obtained. Mix for a minimum of three minutes.
- If the mixture is too dense, add water until you reach the desired consistency.
- MAS MICROCEM may be applied by stainless steel trowel at a rate of approximately 1.5 m²/kg.
- Scrape over the layered material to remove any small lumps or trowel lines. Pay attention at the corners to avoid uneven finish.
- Leave the first layer until dry to touch for about an hour depending on the temperature on the working place.
- Repeat the process progressively over the wall, occasionally passed the areas already coated to achieve the required design and effect.
- Keep on troweling the surface with cleaned stainless steel trowel for about 15 – 20 minute until the surface is smooth.

TOPCOAT

- To a well dry Basecoat, sand the surface with 220 grit sand paper. Remove all laitance and dust by vacuum cleaner prior to the application of MAS MICROCEM TOPCOAT
- Repeat the same procedure as the Basecoat. Apply the topcoat at a rate of 4 m²/kg.
- Leave the surface to dry for about 2 days before application of subsequent coatings.

PROTECTIVE COAT

MAS MICROCEM in itself has a smooth, hard wearing and resistant to abrasion but with the addition of a protective coat, additional advantage like resistance to scratch to foot traffic on the floor.

Wall

Ensure that the surface to be coated is free from dust after sanding with 600 grit sand paper.

One to two coats of MAS Silitect applied by brush, roller or conventional spray.

Floor (Recommended system)

- Application of one (1) coat of MAS Microcem Base.
- Placement of Fiberglass mesh
- Application of one (1) coat MAS Microcem Base
- Application of one (1) coat of MAS Microcem Top
- Application of two (2) coats of MAS Protect WB (diluted with water at 1:1 ratio)
- Application of two (2) coats of Hydropox Clear

Tinting:

Standard colours as per catalogues are readily available and various colours can be obtained with our Tintomachine or Unicolors.

Packaging:

Available in 20 kg buckets

Shelf Life:

MAS MICROCEM can be stored for up to 12 months in unopened packaging. Under good conditions away from direct sunlight and rainfall.

Health and Safety:

MAS MICROCEM is a water-based paint and environment friendly, nevertheless, health and safety awareness must be complied. It is harmful if swallowed. If contact with eyes occurs, wash well with fresh water and seek medical advice.

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