

# MC-Plaster

(Formerly known as MC-Mineroplast)



## Ready To Use, Mineral Based, Mortar / Plaster

### Product Properties

- High breathability but low water absorption
- Excellent Bonding to the bases - thin bed
- Highly workable, easy to apply
- Increased durability due to discontinuous Capillaries
- Carbonation resistant
- Minimization of shrinkage cracks
- Can be used on various substrates
- Compatibility with varying weather and dampness

### Areas of Application

- Exterior and interior plastering/stucco
- Can be applied on wet/damp surfaces
- Suitable as protective water-proofing plaster
- For formation of decorative plaster with designs

### Application Notes

#### General

**MC-Mineroplast** is a ready to use mineral mortar delivered in powder form and only water is to be added to the mix to prepare mortars at site. **MC-Mineroplast** is suitable for plastering damp/wet brick, block or stonewalls even in difficult cases of rising dampness and saltpeter action. It is extremely useful as waterproofing plaster for surfaces exposed to water like sanitary areas, water tanks, basement etc.

Normal plasters based on cement, cement lime, gypsum etc., transport water through capillary absorption and have low water vapor diffusion characteristics. This limits their effective usage for the repair of damp / wet walls and surfaces as well as on old unconventional bases.

The capillary suction leads to rising dampness and buildup of pore water pressure inside the mortar and base. Presence of continuous moisture also results in saltpeter action bringing the salt to the surface as efflorescence surface laitance to unsightly patches as well as growth of fungi. Capillary pores take in the water during rains and humid atmosphere condition and forepart the water to entry of building giving rise to unsightly patches.

Low water vapour diffusion characteristics will not allow for the quick drying of damp / wet elements leading to build-up of pore pressures which will cause peeling of coating and debonding of plasters and mortars

#### Advantages

**MC-Mineroplast** is a unique chloride-free mineral based mortar. When mixed with water, the mortar entrains evenly placed microscopic air bubbles imparting plasticizing action and at the same time making capillaries discontinuous and thereby reducing the capillary absorptivity of the plaster.

**MC-Mineroplast** need not be hit on the surfaces like normal cement mortars because its in-built bonding agent helps in

bonding and reducing the wastage due to rebound and increasing the efficiency of work.

**MC-Mineroplast** is devoid of bleeding or segregation problems. Due to low cement content the shrinkage and map cracking is tremendously reduced.

**MC-Mineroplast** appeals to architects as well as interior designers as it can be applied as decorative plastic plaster economically. By use of various rollers, painting brushes and spongy trowels, planers and other tools and implementing different designs can be generated.

#### Instructions for Use

The surfaces that require plastering or repair should be structurally sound. The surface should be free from oils, greases and loose materials. Mechanical cleaning methods such as wire brushing, etc. can be used to prepare the surface.

Mix only that amount of mortar, which can be used within 20 to 30 minutes after mixing. For mixing take water in a bucket and the powder should be added to it slowly during mixing using slowly rotating electrical paddles. Application can be done using trowels.

Normal curing methods used for cement-based surfaces should be adopted. In case of difficulties in conventional curing **Emcoril AC** curing compound can be applied.

Depending upon the individual requirements, **MC-Mineroplast** can be supplied in finer smooth finished grades.

## Further Instructions / Precautions

Mixed MC-Mineroplast



Application of MC-Mineroplast



## Technical Data For MC-Mineroplast

Characteristic	Unit	Value	Comments
Mixing ratio	-	-	Depending upon consistency required
Consumption	Kg/m <sup>2</sup> /mm thickness	1.25 to 1.50	Approximately

## Product Characteristics for MC-Mineroplast

<b>Type of Product</b>	Ready to use, Polymer modified plaster / coarse Mortar
<b>Form</b>	Powder
<b>Colour</b>	White/Grey
<b>Shelf Life</b>	12 months
<b>Delivery</b>	30 Kg Sacks
<b>Storage</b>	In Unopened Packaging. Protect from Rain, Direct Sunlight, Heat and Frost
<b>Disposal</b>	Empty packs completely and dispose off carefully to protect our Environment

**Note:** The information on this data sheet is based on our experiences and correct to the best of our knowledge. It is, however, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees, which may differ from the data contained in our information sheets, are only binding if given in written form. The accepted engineering rules must be observed at all times. E. & O.E.

Older editions are invalid and may not be used anymore. If a technically revised new edition is issued, this edition becomes invalid.

Edition: January 2013