

MC-TechniPlast

High grade plasticizing and damp-proofing additive for plasters and mortars.

PRODUCT PROPERTIES:

- Significant improvement in workability due to plasticizing effect.
- Blocking of capillaries and pores thereby ensuring reduced water absorption.
- Reducing of shrinkage crack development.
- Higher area coverage.
- Chloride free.
- Reduced efflorescence.
- Increased cohesion of the plaster mix.

AREAS OF APPLICATION:

- Can be admixed in all cement-sand plasters and mortars requiring improvement in workability.
- Suitable for external and internal plasters in areas where dampness is always prevailing.
- Suitable for all plasters applied on brickwork, concrete and natural stone.

APPLICATION NOTES:

- **MC-TechniPlast** is a high grade liquid additive that gives the dual benefits of providing significant improvement in workability along with reduced water absorption. The addition of **MC-TechniPlast** to a mortar mixture enhances the plasticity of the mixture by creating a 'ball-bearing' effect. At the same time, the microscopic capillaries are rendered discontinuous, thereby impeding the flow of liquid through them, and finally reducing the permeability of the mortar.
- **MC-TechniPlast** contains special polymers that reduce formation of shrinkage cracks. The improved cohesion provides lower rebound loss supplemented by a greater coverage. The increase in coverage can be upto 20 %. This makes significant cement savings possible. The spreading and smoothing is also made much easier. The efficiency of labour is increased, and plastering can be done in a single operation. **MC-TechniPlast** provides the mortar with efficient, reliable and durable damp proofing against acute rains, ground water moisture as well as environmental humidity.
- Thus the use of **MC-TechniPlast** provides significant benefits, while keeping plastering economical.
- **Substrate preparation:** The substrate must be clean and sprayed lightly with water as per standardized plaster application methods. Best practises must be observed at all times during the application process.
- **Instructions for use:** **MC-TechniPlast** is blended with the mixing water, just before it is added to the cement-sand mixture. A mixing ratio of 0.2 % by weight of cement should be maintained at all times. For a typical 50 kilogram bag of cement, the dosage is 100 millilitres of **MC-TechniPlast**. The moisture content of the sand should be preevaluated and the mixing ratio adjusted accordingly. The ideal result is achieved by means of a rotary drum mixer. Mixing should be carried out for a minimum of 3 minutes.

TECHNICAL DATA:

Characteristic	Unit	Value	Comments
Dosage	parts by weight of cement	0.2 %	-
Density	kg/dms	approx. 1.03	-

PRODUCT CHARACTERISTICS:

Type of Product	Mortar plasticizer additive
Form	Liquid
Colour	Brown
Shelf Life	12 months from date of manufacture.
Delivery	1L and 5L canister
Storage	In unopened packaging, protect from rain, frost, direct sunlight and heat.
Disposal	Empty packs completely and dispose carefully to protect our environment.

Safety Advice: Please take notice of the safety information and advice given on the packaging labels as well as material and safety data sheets.

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 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.

Edition **01/24**. Some technical changes have been made to this print medium. Older editions are invalid and may not be used anymore. If a technically revised new edition is issued, this edition becomes invalid.