

MC-Latex GP

Polymer Bonding Agent and Mortar Additive

Product Properties

MC-Latex GP is a Styrene Butadiene polymer dispersion as additive to cement mortars to enhance its properties and reduce the water absorbency. It provides the following benefits:

- Improves adhesion of mortars
- Increases elasticity of mortars
- Reduces shrinkage and stress cracks
- Improves workability
- Increases mechanical resistance
- Reduces the permeability of cementitious materials
- Compatible with all alkaline cementitious materials

Areas of Application

Additive for:

- Patching mortars
- Bonding agents
- Cement floor screeds
- Cement renders
- Tile adhesives
- Masonry mortars

Application

SUBSTRATE

Requirements

The substrate must be clean, sound and free of loose material such as cement laitance, oil, grease, dust, etc.

Preparation

All loose particles must be removed. Absorbent substrates must be saturated thoroughly with clean water, though ponding water must be avoided.

BONDING AGENT ADDITIVE

Mixing

Add MC-Latex GP to clean water in the ratio of approx. 1:1. Add fresh cement and mix until a creamy consistence is achieved.

Application

Apply the creamy slurry by brush onto the prepared substrate. The subsequently following cementitious overlayment must be applied while the bond coat is still wet. Do not apply under direct sunlight. Strong wind must be avoided.

Recommended mixing ratio:

Polymer-water Solution	MC-Latex GP	1 p.b.w.
	Water	1 p.b.w.
Mix until desired consistency		
Blend	OPC	1 p.b.w.
	Sand	2 p.b.w.

ADDITIVE FOR HIGHER-GRADE MORTAR

(e.g. Render, Screed)

Mixing

Add MC-Latex GP with the ratio of 1:1 to clean water and mix with OPC and sand until an optimal workability for the particular area of use is achieved.

Recommended mixing ratio:

MC-Latex GP	Water	OPC	Sand
5 - 7 lit	5 - 7 lit	50 kg	150 kg

Application

The mortar is applied evenly onto the prepared substrate. Avoid direct sunlight and strong wind. Make sure the applied mortar is cured properly, e.g. cover with wet burlaps.

ADDITIVE FOR HIGHER-GRADE TILE ADHESIVE

Mixing

Add MC-Latex GP with the ratio of 1:1 to clean water and mix with cementitious tile adhesive until an optimal workability for the particular area of use is achieved.

Application

The adhesive is applied evenly onto the prepared substrate. Avoid direct sunlight and strong wind.

Technical Data for MC-Latex GP

Characteristic	Unit	Value	Comments
Density	kg/lit	~ 1.1	
Coverage (depending on mixing ratio)	kg/m ²	~ 0.1	as bonding agent
	kg/ m ² /mm	~ 0.3	as mortar additive
	kg/m ²	~ 0.6	as tile adhesive additive
Increase in Flexural Strength	%	+ 70	compared to mortar without MC-Latex GP
Reduction in Water Absorption	%	- 32	after 24 hours compared to mortar without MC-Latex GP
Application Condition	°C	> 8; < 30	Air, substrate and material temperature relative humidity
	%	max. 80	

Product Characteristics for MC-Latex GP

Consistency	Liquid
Colour	Milky White
Delivery	20 Kg container
Cleaning of Equipment	Use water while material is still wet. When material is dry use mechanical methods.
Storage	Can be stored in shaded, cool and dry conditions for 12 months in original unopened packs.
Disposal	In the interest of the environment, please empty all packs completely & in accordance with local regulations.

Safety Advice

Please take notice of the safety information and advice given on the packaging labels and safety information 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 06/24. 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.