

MPLAST 80

POLYMER LATEX FOR MORTAR PROPERTIES IMPROVEMENT

DESCRIPTION

MPLAST 80 is a polymeric, admixture, in emulsion form, for mortars properties improvement as well as other building materials.

APPLICATION FIELDS

- Increases durability and adhesion of renders and masonry mortars.
- Creates a bonding layer between old and new cement mortar.
- Increases the resistance of floor screeds against abrasion so that they are dust-proof. Also recommended for floors with underfloor heating.
- For industrial floors and cement mortars for forming inclinations, smoothing and grooving.
- Improves repair mortars and thin layers.

CHARACTERISTICS/ ADVANTAGES

- Improves elasticity.
- Enhances adhesion to the substrate.
- Strengthens abrasion and shrinkage resistance.
- Prevents the dust formation.
- Protects concrete as well as cement mortars.
- Improves the strength and plasticity of mortars while preventing the formation of capillary cracks.
- Increases flexural and tensile strength.
- Reduces shrinkage and gives strength to mortars.

PRODUCT INFORMATION

pH	10±1
Appearance/ Colour	Milky liquid
Packaging	5kg-20kg

Storage Conditions	Stored in original, unopened packaging at temperatures between +5°C and +35°C. Protect from direct sunlight and frost.
Shelf life	18 months from production date (closed container stored in a shady place)

TECHNICAL CHARACTERISTICS

Density	1.01 Kg/L
Fire behaviour	Not flammable

APPLICATION INFORMATION

Application temperature	- Temperature from + 5 °C to + 30 °C - Relative humidity less than 75%
Health and Safety :	Contains 1, 2-benzisothiazol-3(2H)-one, reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.

DIRECTIONS OF USE

SUBSTRATE PREPARATION

The substrate should be stable, solid, dry and free of dust, loose particles and all kinds of contaminants. The surface must be dry, clean, free of dust, loose materials, salts or oils. Mix well before use.

APPLICATION

MPLAST 80 can be added to the mortar mixing water. The required amount depends on the application.

It is recommended that MPLAST 80 be stirred first in the mixer and then add the cement and aggregates.

For manual mixing, recommended to do the process in reverse: first the cement and the aggregates and then the MPLAST 80.

Working time of mortars with MPLAST 80 are slightly increased.

APPLICATION EXAMPLES

All proportions in parts by volume

- Durability and adhesion of renders and masonry mortars

Consumption: 1,5 -4kg MPLAST 80 / cement bag 50kg.

- Increases the resistance of floor screeds against abrasion so that they are dust-proof. Also recommended for floors with underfloor heating

Consumption: Replace the required amount of water at a rate of 30% using MPLAST80.

- For industrial floors and cement mortars for forming inclinations, smoothing and grooving

Consumption: Replace the required amount of water at a rate of 30% using MPLAST80.

- Improves repair mortars and thin layers

Consumption: Replace the required amount of water at a rate of 30% using MPLAST80.

- Creates a bonding layer between old and new cement mortar

The bonding layer is an aqueous cement mortar mixture consisting of cement-sand-MPLAST 80- water.

Apply the created bonding layer mixture to the clean and prepared surface to a thickness of about 2mm.

Consumption: Replace the required amount of water mortar at a rate of 30% using MPLAST80.

Tip: The application of the fresh mortar can take place within 20 minutes and as long, the bonding layer is still fresh.

LEGAL NOTICE

We guarantee the quality of the product, in terms of its technical specifications, as they presented in the technical data sheet. This guarantee strictly concerns only the product available, and in no case, the final result from its application, which depends largely on the experience and quality of work of each user, as well as the application conditions.

The user is advised to apply the product on a small scale, and after being sure of the result, then to use it in his project. The publication of this technical data sheet cancels any previous edition of it.