

# LATEX K5

MODIFIED ACRYLIC RESIN FOR CEMENTITIOUS COMPOUNDS



## DESCRIPTION

One-component waterborne acrylic resin, to be used as a modifier for cement-based mortars.

Confers:

- excellent adhesion to the support
- increased flexural and impact resistance
- resistance to cracking
- greater impermeability without varying the diffusion of steam
- resistance in industrial environments

## USE

Plastic plasters.

Cement levels.

Castable mortars for floors.

Promoter of adhesion.

## SUPPORT

The substrate must have a minimum compressive strength of 25 N/mm<sup>2</sup> and a tensile strength of 1,5 N/mm<sup>2</sup>.

## PREPARATION OF THE SUPPORT

Concrete bottoms must be solid, leveled, absorbent, not polluted by oils, dust or other substances.

Check the most convenient type of mechanical preparation.

Remove damaged and detachment parts.

Any outcropping irons must be brushed and insulated with a special anti-corrosion primer.

Oily surfaces must be grinder by removing about 1 cm surface and treated with FLUIDEPOX, cross-linked with 40% epoxy quick hardener

Before laying the mortar, moisten the substrate abundantly. Then proceed with the coating, taking care to eliminate any stagnant water.

## APPLICATION

### Coatings with hydraulic binders

When preparing the mortar, instead of wetting with water only, use a 1 to 1 mixture of LATEX K5 in water. The coating based on inorganic binder will have greater flexural strength and lower water absorption.

### As a promoter of membership

Dilute 1 to 1 with water and then apply immediately before casting or coating with mortar, for a consumption of 1 kg/m<sup>2</sup> of diluted product. Pay attention that there is no drying of the product, in case reapply the same.

## TECHNICAL SPECIFICATIONS

PRODUCT DATA	
Colour	Latex
Specific gravity (at 25°C)	1,00 - 1,10 g/ml
Viscosity (at 25°C)	30-50 mPascal (spindle 1, rpm 100)
pH at 25°C	8,5-9,5
Dry residue	24% by weight
Flash point	None
Solvent for cleaning tools	Water
Storage	12 months, store in a dry place at a temperature between 5 °C and 30 °C
APPLICATION DATA AND TIMING	
Dry to the touch (50% R.H.)	a 10 °C 4,5-5,5 hours a 25 °C 2,5-3,5 hours (in combination with charge for MALTA C) a 35 °C 1,5-2,5 hours
Hardening in depth (50% R.H.)	at 20 °C 24 hours for thickness of 3-4 mm
Volumetric shrinkage	Negligible
Environmental conditions of use	Temperatures between +5 °C and +35 °C and R.H. < 80%

DATI TECHNICAL PERFORMANCE DATA	
Bending at break (ISO 8339)	500% after 7 days (at 20°C and 50% R.H.)
Breaking modulus (DIN 53504)	1,3-1,5 Mpascal
Tensile strength (DIN 53504)	2,5-3,0 MPascal
Hardness (DIN 53505)	60 Shore A

*Product for professional use, the buyer undertakes to follow the above warnings in the application of the purchased product and the instructions in the safety data sheet.*