MX INJECT

CE
EN 998-2

Special binder for injection grouts for the consolidation of masonry structures

MX INJECT is a pozzolanic hydraulic binder with low salt content that, when mixed with water, makes it possible to make injectable grout compatible with the materials used in the existing masonry.
The particular chemical composition of MX Inject excludes the possibility of a chemical reaction with the salts (sulfates, carbonates, nitrates, chlorides, etc.) present in the walls of old buildings.
MX INJECT mortar is applied for the structural consolidation of masonry.

THE PRODUCT:

MX INJECT

Pozzolanic hydraulic binder with low salt content for marking injectable grout compatible with the materials used in the existing masonry.

Complies with EN 998-2
MX INJECT complies with EN 998-2 Mortar for general purposes for external use in elements subject to building code requirements (G).

GROUT PROPERTIES	MX INJECT
Water per 100 kg of dry premix mortar	30 - 32 liters
Specific weight of fresh mortar (EN 1015-6)	1,80 ± 0,05 (g/cc)
Volume of fresh mortar per 100 kg of dry premix mortar	about 73 liters
Consumption of dry premixed mortar	approx. 1,37 Kg/m^2/mm
Soluble sulfates (CEN/TC 125)	< 10 ppm
Soluble chlorides (CEN/TC 125)	< 10 ppm
Soluble Nitrites/Nitrates (CEN/TC 125)	< 10 ppm
Mg^{++}, Ca^{++}, Na^{+}, K^{+}	< 5, < 50, < 20, < 5 ppm
Water permeability (DIN 1048, mod. 300 h at 7 atm)	= 0,05 cm
Water absorption (EN 1015-18)	0,4 ((kg/(m^{2}xmin^{0,5}))
Water vapor permeability (EN 1745-5.4.4)	μ 15/35 as per table
Thermal conductivity/Density (EN 1745-5.4.6)	($\lambda_{10,dry}$) 0,83 W/mK (as per table)
Reaction to fire (EN 13501-1)	Euroclass A1
Compression resistance at 1, 7, 28 days (EN 1015-11)	≥ 15; ≥ 28; ≥ 36 MPa
Bending resistance at 1, 7, 28 days (EN 1015-11)	≥ 1,7; ≥ 3,1; ≥ 4 MPa
Elastic modulus at 28 days (EN 13412)	≥ 15 GPa
SPECIFICATIONS FOR THE SUPPLY	
Package	25 kg bags on 1,000 kg pallets
Consumption of dry premixed mortar	Approx. 1,345 Kg/dm^3

PROPERTIES

- Consistency (malleable, fluid, superfluid) and consequent workability, variable according to the amount of binder and water;
- Chemical-physical compatibility with pre-existing masonry;
- Adequate mechanical properties;
- Good resistance to freeze-thaw cycles;
- Good resistance to soluble salts.