



la scelta giusta
per grandi progetti.

SCHEDA TECNICA



MB15 Injection

BIO MORTAR FOR INJECTION



PRODUCT

Ready-mixed, ecofriendly, breathable, NHL 3.5 Natural hydraulic lime-based mortar for reinforcement injections

CARATTERISTICS

Easy to prepare, the product has excellent workability, high fluidity, high mechanical resistance and excellent breathability.

APPLICATION FIELDS

Consolidation of masonries, pillars, damaged supporting vaults in brick, tuff, stone and mixed.

SUBSTRATES

Natural stone, block, brick, new thermal brick and concrete.

CONSUMPTION

1,4 – 1,6 kg per liters of volume to fill.

PACKAGING

25 kg bags on pallets of 1500 kg.

STORAGE

12 months in a dry place in its original packaging.

ITEM SPECIFICATIONS

The consolidation of masonries, pillars, damaged supporting vaults in brick, tuff, stone and mixed must be carried out with specific ready-mixed mortar, to be mixed with water, such as MB15 Injection by Edilcol Italia, in class M15.

PREPARATION OF THE SUBSTRATE

Grout or plaster the surface to be treated simultaneously by inserting tubes or injectors for subsequent filling with MB15 Injection. Fill before with water the whole internal structure up to saturation. When the water has been absorbed proceed to the injection of the fluid mortar from the bottom to the top.

PREPARATION

Mix a bag of MB15 Injection with about 5,5 - 6,0 liters of water, either manually or with a mixer at a low numbers of turns, until obtaining a homogeneous and plastic mortar.

APPLICATION

Pour or inject at constant pressure, briefly stir the product again occasionally.

RECOMMENDATIONS

Avoid the outdoor application in hot or very windy days, on substrates during frozen or thawing phase, with frost risk in the next 24 hours and at temperatures below of +5 °C or higher than +35 °C.

Although the details contained in this product report correspond to the best of our current experience, all the above information must be confirmed after practical applications. Anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application: in every case, the user alone is fully responsible for any consequences deriving from the use of product. The values given in the technical data derived from tests conducted in laboratory, in a controlled environment, so they may be greatly modified by the conditions of installation.

DATI TECNICI

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Appearance:	Hazelnut powder	
Composition:	NHL 3.5 Natural hydraulic lime, selected aggregates, additives	
Granulometry:	≤ 0,5 mm	
Application temperature:	+ 5°C / + 35°C	
Mixing water:	≈ 28 %	
Bulk density of fresh mortar:	≈ 1,8 Kg/l	(EN 1015-6)
Bulk density of the dried mortar:	≈ 1,6 Kg/l	(EN 1015-10)
Yield:	≈ 1,5 Kg/l	
Compressive strength:	≥ 15 N/sqmm	(EN 1015-11)
Flexural strength:	≥ 5,0 N/sqmm	(EN 1015-11)
Adhesion – FP:	≈ 0,7 N/sqmm - B	(EN 1015-12)
Water absorption by capillarity:	Category W0	(EN 998-1)
Permeability to water vapor μ:	15/35 (tabulated value)	(EN 1745)
Thermal Conductivity ($\lambda_{10,dry}$):	0,83 (tabulated value)	(EN 1745)
Reaction to fire:	Class A1	(EN 13501)
Contribution to smoking:	none	
Hazard classification:	none	(EC 99/45)