

NJECTIONMUR

FOR CONSOLIDATING MASONRY

GRANTS *LEED* CREDITS

CHARACTERISTICS	ENVIRONMENTAL		METHOD OF USE		PRECAUTIONS
		3			
ALLOWS TO BREATHE	ECO GREEN	RECYCLABLE	MIX MECHANICALLY	INJECTION APPLICATION	STORAGE: In a dry place

PROBLEM

CONSOLIDATING OLD WALLS WITH INJECTION CEMENT SLURRIES



Consolidating old walls while avoiding chemical and physical incompatibility with the wall's materials and salts.

SOLUTION

INJECTIONMUR is a binder formulated with NHL5 natural hydraulic lime, which allows for preparing injection cement slurries compatible with the construction materials used for both old and new walls.

APPLICATION FIELDS

INJECTIONMUR is used for consolidating old and new walls, pillars, foundations and cavity walls as an injectable cement slurry.

INJECTIONMUR is also suitable for anchoring metal tie rods passing through walls, in the case of structural reinforcements (the so-called 'reinforced anchoring' technique).

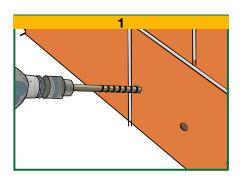
ADVANTAGES

- High workability
- Excellent chemical-physical compatibility with various types of walls
- . Excellent resistance to weathering

METHOD OF USE

• SURFACE PREPARATION

Drill holes into the substrate using a drill (1). The holes, with a diameter of 2-3 cm, must be arranged in groups of five and spaced roughly 50 cm apart. They must penetrate roughly 3/4 of the wall's thickness. Saturate the entire wall to be consolidated with water by pouring it through the holes. Leave to rest for one day so that the stagnant water disappears then proceed with the injection. The day before applying INJECTIONMUR cement slurry, the internal structure to be consolidated should be saturated with water, using the holes through which the cement slurry will be injected.





• PREPARING **THE MIX**

The mix is prepared by adding INJEC-TIONMUR to clean water (2). In order to prevent lumps, we recommend preparing a dense mix (28% water) which will then be brought to its optimal compactness for

the single applications

The injection cement slurry must be used within 30/40 minutes from being mixed (3).

• COVERAGE

Consumption when used as cement slurry: 1.8 kg/dm³.

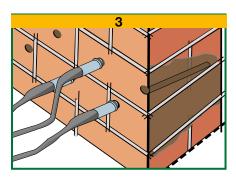
PRECAUTIONS

- Minimum application temperature +5 °C.
- · Protect the product against frost or high temperatures.
- · Clean tools with water and a damp cloth.
- · Store in a dry place.

APPLICATION

(roughly 30% water).

Start injecting the product after positioning the plastic pipes roughly 30 cm long at a depth of 10 cm (secure them with Fastcem-type fast-setting mortar). The injections must be made from bottom to top by applying approx. 1 atm pressure.







TECHNICAL CHARACTERISTICS				
	Standard	INJECTIONMUR		
Appearance		Powder		
Colour		Grey		
Apparent density	EN 1015-6	$0.80 \pm 0.05 \text{ kg/L}$		
Mixing water		ca. 30% ± 1%		
Storage in original packaging in a dry place		12 months		
Mix properties and workability				
Density of the mix		1.85 ± 0.05 kg/L		
Application temperature		+5°C ÷ +35°C		
Application		Manual		
Performance characteristics	Standard	Product performance		
Resistance to compression - after 28 days	EN 1015-11	12.0 N/mm²		
Resistance to compression - after 7 days	EN 1015-11	7.0 N/mm ²		
Resistance to compression - after 1 day	EN 1015-11	4.0 N/mm²		
Resistance to bending - after 28 days	EN 1015-11	4.0 N/mm ²		
Resistance to bending - after 7 days	EN 1015-11	2.5 N/mm ²		
Resistance to bending - after 1 day	EN 1015-11	1.5 N/mm²		
Compressive elastic modulus		<8 000 N/mm²		
Thermal resistance - Working temperature		−30°C ÷ +90°C		
Reaction to fire	EN 13501-1	A1		

Test conditions: temperature $23\pm2^{\circ}$ C, R.H. $50\pm5\%$ and air speed in the test area <0.2 m/s. These figures may vary depending on the specific conditions of the worksite: temperature, humidity, ventilation, absorbency of the base coat.

PACKAGING

INJECTIONMUR 20-kg Sack

• FOR ANY FURTHER INFORMATION OR ADVICE ON PARTICULAR APPLICATIONS, CONTACT OUR TECHNICAL OFFICE • IN ORDER TO CORRECTLY USE OUR PRODUCTS, REFER TO INDEX TECHNICAL SPECIFICATIONS •



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^(*) The stated times may be longer or shorter as the temperature decreases or increases.