

Injection mix that contains natural hydraulic lime designed for binding and consolidating frescoed plasters taken off their wall substrate.

Description

Limepor IZ4 is an injection mix that contains natural hydraulic lime (NHL), high-reactivity metakaolin, and a selected carbonated filler with very fine granulometry. This product was specifically designed for binding and consolidating frescoed plasters taken off their wall substrate. All of the raw materials used are fired at low temperatures following traditional techniques. Limepor IZ4 can be mixed with Kimittech B2 resin instead of water. The high quality of the hydraulic lime and metakaolin allows us to obtain a product which does not cause efflorescences and which contains almost no water-soluble salts.



Uses

Consolidation and bonding (by means of injection) of frescoed plasters taken off their wall substrate.

Advantages

- A light product with low specific weight essential for filling pockets and voids on frescoed plasters taken off their wall substrate for consolidation purposes;
- No water-soluble salts;
- High fluidity and low water/binder ratio;
- Raw materials fired at low temperatures producing a significant benefit for the environment thanks to the reduction in carbon dioxide emissions;
- No concrete compounds (Alite C3S and Belite β -C2S) whatsoever;
- High breathability;
- Excellent penetration power enabling very small cracks or cavities to be saturated;
- No mixture segregation during injection;
- Chemically compatible with materials used in historic buildings;
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- Improvement of both the static and dynamic properties of the structure once work is completed;
- Ready-to-use and easy to apply.

Application

Limepor IZ4 must be mixed with approximately 37% drinking water (1.8 -1.9 litres per 5 kg pack).

We recommend you put 3/4 of the water required in the mixer then gradually add the remaining amount until the right consistency forms.

Let the mixture stand for approximately 10 minutes before inject using special syringes.

During preparation and laying, no components other than mixing water or Kimittech B2 resin must be added to the product.

Do not remix by adding water to the product when it has already started to set.

Packaging

4 kg plastic containers.
320 kg pallets.

Coverage

1,3 Kg product per 1 litre volume to fill.

Characteristics	Value
Appearance	Powder
Colour	white
pH in water dispersion	11,5 - 12,5
Granulometric distribution UNI EN 1015 1 (not-seved at 0,10mm)	100 %
Granulometric distribution UNI EN 1015-1 (not-seved at 0,01mm)	40 %
Apparent volumetric mass of wet mortar UNI EN 1015-6	1790 \pm 50 Kg/m ³
Fluidity (Consistency mediante canaletta) UNI 8997	65 - 75 cm
Compression strength 7 days UNI EN 1015-11	> 3 MPa
Compression strength 28 days UNI EN 1015-12	> 5 N/mm ²
Flexural strength 7 days UNI EN 1015-11	> 1 MPa
Flexural strength 28 days UNI EN 1015-11	> 1,2 MPa
Water-soluble salts Normal 13/83	< 0,07 %
Workability time of wet mortar UNI EN 1015-9	240 \pm 30 mins

Storage

Protect from humidity. Store in a dry, sheltered place. In these conditions the product remains stable for 12 months.

Warning

Product for professional use.

The use of natural raw materials may result in natural color variations from one production lot to another.

Before using, check bags have not been damaged, and do not use the product if there are any lumps.

The technical specifications and application methods recommended herein are based on our current knowledge and experience and do not represent any form of guarantee of the final results obtainable with the product.

It is the customer's responsibility to check that this data sheet is still effective and has not been replaced with a more recent version, and that the product is suitable for the intended use.