

deffner & Johann

Supplies for RESTORATION | CONSERVATION | ART HANDLING – SINCE 1880

TECHNICAL DATA SHEET

info@deffner-johann.de | +49 9723 9350-0

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Lime Injection Mortar

CalXnova Lime Injection Mortar (DHL-IM) is made of dispersed hydrated lime (DHL), mixed with mineral fillings and water. It is a highly filling ready-to-use injection mortar. It is free-flowing in suspension while stable in sedimentation and forms a homogenous zone bridging over capillaries in cavities.

It is suitable for use in stone conservation as well as the preservation of wall paintings, frescos, statues and plaster. Furthermore, it is characterized by excellent workability, with a low degree of shrinkage and a high degree of adhesive capacity.

Properties

- Easy handling and application
- Low tension
- Highly diffusible
- Capillary properties
- High adhesion on mineral substrates
- Weather resistant
- Low degree of shrinkage

Composition

Dispersed Hydrated Lime, mineral fillings, mixing water and dispersing aids < 1,0 %, free of acrylates.

Color

White.

Storage

Keep container tightly closed and store in a cool but frost-free, well-ventilated place. Shelf life minimum 6 months.

Security

Product contains hydrated lime and reacts alkaline pH > 11. Keep out of reach of children. Wear eye protection / face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. Do not empty into drains, waterways or soil.

Contains: Calcium Hydroxide; CAS: 1305-62-0

Disposal

Only empty containers for recycling. Liquid waste should be disposed as water-based paints, dried material as hardened paints or residues as household waste.

Handling

Stir thoroughly before use.

Application

DHL-IM is designed to repair cavities and cracks no larger than 1/8 inch in width. DHL-IM is placed by means of a packer or injection tool after pre-wetting with distilled water. DHL-IM may be diluted with water up to 10 % by weight in order to penetrate smaller cracks and voids. It is not necessary to subsequently wet the areas injected. For fine hairline cracks DHL is recommended. Clean tools immediately after use with water.

Post-treatment

Treated areas should be protected from stagnant water for approx. 3 weeks.

Note

Do not apply to varnishes, acrylic paints, wood, plastics or surfaces with salt efflorescence.

Suitable substrates and their preparation

The subsoils must be free from soiling, separating substances, dry and absorbent. Do not use below +8° C air and substrate temperature. Obey VOB, Teil C, DIN 18363, Abs. 3.

CalXnova is manufactured in Germany.