

# eile HRS 10

## Hydraulic Lime for Historic Buildings

### Definition

It is hydraulic lime with high pozzolanic effect, used in the production of lime mortar and structural reinforcement injection for historic buildings.

### Areas of Use

- \*Brick dust mortar
- \*In stone and brick masonry works,
- \*In stone and brick jointing mortar,
- \*Used as a binder in the production of injections for the repair of masonry structures

### Specifications

- \*It does not contain cement
- \*Allows breathing of the surface its applied to.
- \*It has high water vapor permeability
- \*Enables the production of mortar compatible with historical texture.

### Operating Procedure

#### Surface Preparation

Masonry's surfaces to be repaired and plastered should be durable, dust-free and clean before the operation. The surface should be cleared of dust, oil and loose pieces that may reduce adherence. The surface to be applied should be moistened before application.

#### Usage

The specified quantities of materials indicated in the project recipe are mixed. **HRS 10** is added to the mixture according to the specified amount in the hydraulic lime mortar recipe and mixed until a homogeneous mixture is obtained.

#### Manner of application

The prepared mixture is applied to the surface using a trowel, mixed with the appropriate amount of water. In the case of multiple layers, the previous layer should be moistened after hardening, and then the application of the new layer should begin.

Safety Recommendations: During application, appropriate workwear, protective gloves, goggles, and masks in accordance with occupational health and safety regulations must be worn. Avoid contact with skin and eyes; if contact occurs, wash thoroughly with plenty of water. In case of ingestion, seek medical attention immediately. Store out of the reach of children. No food or drink should be kept in the areas where the application is taking place.

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### Technical Specifications

Material structure	Hydraulic lime
Compression Resistance	$\geq 3,5 \text{ N/mm}^2$
Application Temperature	+ 5 °C - + 30 °C
Tack Free Time	7 days (20 °C)

Typical values: Obtained as a result of experiments performed in 4x4x16 cm mortar prism under +23°C and 50% relative humidity conditions. Values may vary depending on the difference in worksite environment. High temperatures extend the time while low temperatures reduce.

### Consumption

Varies depending on the formula.

### Important Points

During application, ambient and surface temperature must not be under + 5°C and above 30°C.

To allow the material to complete its setting, ambient and surface temperature should not decrease under allowed minimum temperature.

### Cleaning of the Tools

After application, the tools and equipment used should be cleaned with water. After the material is hardened, it can only be cleaned mechanically.

### Package

20 kg Kraft Bag

**Storage:** Unopened original packaging should be stored stacked up to a maximum of 10 layers in a cool and dry environment.

**Shelf Life:** Under the specified storage conditions and in unopened packaging, the shelf life is 12 months from the production date.

