

## INNO-CRETE FOX HISTOCRETE

### Natural Hydraulic Lime Based, Developed for Historic Masonry Buildings, Ready Made Plaster,

#### Description

**FOX HISTOCRETE**, is a natural hydraulic lime based, cement-free, ready-made plaster containing natural silica aggregate and inorganic fibers developed for historical masonry buildings.

#### Fields of Application

- In making of the interior and exterior plastering,
- In the repairs of existing plasters,
- In the repair of natural stone, brick wall joints,
- It is used in surface repairs.

#### Advantages

- Thanks to special inorganic mineral fibers homogeneously dispersed in the mixture, a non-shrinking mortar is obtained. In this way, a repair that provides continuity on the applied surface is achieved by working with the same mechanism as traditional mortars.
- The use of ready-mixed mortar due to continuously controlled production ensures a different product quality in each project. It is extremely difficult to ensure the homogeneity of the mixture in the mortars prepared in the field.
- **FOX HISTOCRETE** plaster, which does not contain water-soluble salts, is one of the best products that can be recommended for the restoration of historical masonry structures.
- It does not contain asbestos, it is environmentally friendly.

#### Technical Data

Structure of Material	It contains natural hydraulic lime, silica aggregate and inorganic fibers.
Color	Off white to light brown
Compressive Strength (TS EN 196) 7 days	>15 kg/cm <sup>2</sup>
Grain Size	0 - 3 mm
Mineral Fibers	Length: 6 mm
Surface Temperature to be Applied	+5°C / +30°C
Working Time (+20°C)	30 min
Fully Cured Time (+20°C)	7 days

The above values are given at +23°C and 50% relative humidity. High temperatures shorten the time, low temperatures increase the time.

#### Application Procedure

##### Surface Preparation

Care should be taken to ensure that the surfaces to be repaired and plastered of historical masonry structures are solid, dust-free and clean. The surface must be free of foreign materials such as all kinds of dirt, oil, grease, coating and surface curing materials that will reduce adherence. The wall surface on which **FOX HISTOCRETE** will be applied must be pre-moistened to improve the adhesion and setting time of the mortar. If there is a water flow on the surface, it should be closed with a suitable plug mortar. There should be no free water on the surface to prevent adhesion.

##### Points to be Considered in the Application,

Surface Temperature ; Minimum +5°C - Maximum +35°C  
Ambient Temperature ; Minimum +5°C - Maximum +35°C

##### Mixing

The appropriate amount of water is poured into a clean mixing bucket with the help of a scale. **FOX HISTOCRETE** is added slowly and mixed with a 400 - 600 rpm mixer for 3-4 minutes until a homogeneous and lump-free mixture is obtained. After resting for about 4 minutes and mixing again for 30 seconds, the material becomes ready to use.



### Mixing Ratios

For 1 kg of powder/ **FOX HISTOCRETE**, the amount of mixing water; 0.30-0.32 liters

For 20 kg bag/ **FOX HISTOCRETE**, the amount of mixing water; 6.0-6.4 liters

For **FOX HISTOCRETE**, mixture density; 1.85 kg/liter

### Application

The prepared mortar is applied with a trowel, with a thickness of 1-2 cm. The mortar is expected to absorb its water and the surface is finished as desired with a steel or wooden trowel by sprinkling water on the cured mortar with a plaster brush.

In applications to be made in more than one layer, before the previous layer has hardened, application should be made as each layer must be applied with a thickness of 1-2 cm. The previous layer must be moistened before the new layer is applied.

Wide surfaces open to the atmosphere, especially in hot, dry and windy environments, should be protected against rapid evaporation with sack cloth or water for 24-48 hours after the application.

### Cleaning of the Tools

After the application, tools and equipment used should be cleaned with water. **FOX HISTOCRETE** can only be cleaned from the surface mechanically after it hardens.

### Consumption

To obtain 10 mm thickness, 17 kg/m<sup>2</sup> powder product should be used.

### Watch Points

- During the application, the ambient and surface temperature should not be below +5°C and above +35°C.
- In order for the material to complete its setting, the ambient and surface temperature must not fall below the minimum allowable temperature.
- For exterior applications, the surface should be protected from sun, wind, rain and frost for the first 24-48 hours after the application.

### Package

20 kg polyethylene reinforced craft bag

### Shelf Life

When stored properly at room temperature, away from direct sunlight, between +5°C and +30°C, shelf life is 12 months from the date of production. Opened packages should be stored under appropriate storage conditions and consumed within one week.

### Storage

Should be stored in its original package, in a cool and dry place protected from frost. In short-term storage, maximum 2 pallets should be placed on top of each other and the shipment should be made on a first-in, first-out system. In long-term storage, pallets should not be placed on top of each other.

### Safety Precautions

It is dangerous to approach the storage and application areas with fire. Storage and application areas should be ventilated.

During the application, work clothes, protective gloves, goggles, masks in accordance with the occupational health and safety rules should be used. During storage and application, the material should not be contacted with the skin and eyes, if contacted, should be washed immediately with plenty of water and soap, and if swallowed, should be sought medical attention immediately. Foods and drinks should not be taken into the application areas. The material should be stored out of the reach of children.

For detailed information, please refer to the Material Safety Data Sheet.

### Disclaimer

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