

POMEX HORASAN MORTAR

Hydraulic Lime Based Repair and Plaster Material for Historical Buildings

Description

Hydraulic lime based, fiber reinforced, silica aggregate, it's used for plastering and repairing of historical masonry construction and bonding of historical building stones.

General Directorate for Foundations Pos No: V.0130/D

Areas of Usage

- *Interior and exterior plaster,
- *Plaster repairs,
- *Repairs of natural stone joints.

Features

- *It dissolves in cement, asbestos and water. Not contain salt.
- * **POMEX Horasan Mortar** which dissolves in water and does not contain salt is a product designed for restoration of historical buildings.
- *It has a validation report of İBB restoration-conservation laboratories.

Application Procedure

Surface Preparation

The application surface should be cleaned from dust, oil and loose parts which may reduce adherence. The surface should be humidified before application in order to provide better adherence and improve operating time. Before application, there is no free water on the surface.

Usage

20 kg **POMEX HORASAN MORTAR**; 4,0 – 4,5 liters of water is added into slowly. It's mixed with at low speed mechanical mixer until a homogenous appearance is provided. The material is allowed to stand for 5-10 minutes. Then it's mixed for 30 seconds again and it's ready to use.

MIXTURE RATIO

For 20 kg sack: 4-4,5 l water
For 1 kg powder product: 0,200-0,225 l water
Mixture density: 1,9-2,0 kg/l

Application

The plaster mortar can be applied with thickness of 1-2 cm. After the plaster is applied, water is sprinkled over plaster surface. It's completed with steel trowel. If the application is done more than one, each coating should be done with thickness of 1-2 cm before previous coat gets hardened. Before new coat is applied, previous coat should be humidified.

Consumption

19-20kg/m² for 1 cm thickness

Points to take into consideration

*If the temperature of application surface and application ambient is lower than +5 °C or over +30 °C, no application should be done. If the temperatures are not appropriate, wait for recommended values. *No application is done in frozen, melting and very windy ambient.

*The application surface should be protected from sun, wind, rain or frost danger for the first 24-48 hours.

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 sack

Storage

It should be stored in unopened original package in a cool and dry place and stack maximum 10 packages on top of each other.

Shelf Life

Shelf life is 12 months from production date in storage conditions

POMEX HORASAN MORTAR

Technical Specifications

Structure of the Material	Hydraulic Lime, Silica Aggregate and Inorganic Fibers
Colour	Light brown
Compressive strength	> 15 kg/cm ² (7 days)
Application Temperature	+ 5 °C - + 30 °C
Curing Time	7 days (20 °C)
Usage time	30 minutes (20 °C)
Max. Aggregate size	2500 mic.
Maturation time	5-10 minutes (20 °C)

Typical values have been obtained as a result of experiments done at +23°C, 50% relative humidity, 4x4x16 cm mortar prism. The values may change due to the difference in site ambient. High temperatures shorten and low temperatures extend the durations

Safety Recommendations: Please wear the coveralls, protective gloves, glasses and mask suitable for occupational health and safety. Make sure that it does not contact the skin and the eyes; in case it does, wash with plenty of water. In case swallowed, contact the closest health care institution immediately. Keep out of the reach of children. Keep food and drinks away from the application areas.

Responsibility: In case the recommendations and application conditions specified above are not conformed, the applications (misuse) do not fall under the responsibility of **POMZA EXPORT A.Ş.**, the producer of **eile POMEX branded products**. The user is responsible for whether the product is used in accordance with its purpose, as well as the validity of application conditions and forms. **eile Pomex Construction Chemicals** does not accept any indemnity claim concerning the results, work accidents, direct or indirect damages or losses due to the misapplication of the products.

Note: **eile POMEX** reserves the right to improve/revise the product and this technical document over time. This Technical Data Sheet supersedes the former Technical Data Sheet released for this product. The user must make sure that the available technical document is the latest updated version. If necessary, our company must be contacted to inquire the updating status of the document. AUGUST 2014