BR-903 / NATURAL HYDRAULIC LIME

PRODUCT DESCRIPTION

It is a special product developed for historical buildings, which does not contain cement and is used as a binder in hydraulic lime mortar manufacturing.

USAGE AREAS

Restoration or strengthening of historical masonry structures,

Repair of cracks in masonry domes and vaults,

Building foundations for existing historical structures,

Plastering in structures requiring high water vapor permeability,

Mortar, joint, and repair applications in restoration and green buildings,

Used as a binder in the preparation of hydraulic lime mortar.

FEATURES

Compatible with historical structures.

Allows for the production of mortar with different characteristics.

High water vapor permeability.

High strength.

Does not contain cement.

TECHNICAL SPECIFICATIONS:

(23 ± 2°C and 50±5% relative humidity)

APPLICATION INFORMATION:

Temperature Resistance: (-30°C) - (+70°C)

Appearance: Natural White

Pot Life: 30 minutes

Cleaning Time: 30 minutes

Consumption: Density 1.65 ± 0.1 kg/lt.

Compressive Strength: Min. 4.0 N/mm2

Flexural Strength: Min. 1.0 N/mm2

Reaction to Fire: A1

REFERENCE STANDARDS

Approvals/Standards:

TS EN 459-1 NHL 3.5

KÜÇÜKSÖĞÜTLÜ MAH. KÜÇÜKSÖĞÜTLÜ 2 SOKAK NO: 2 **SÖĞÜTLÜ / SAKARYA / TÜRKİYE**
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APPLICATION INSTRUCTIONS

The materials specified in the mortar analysis should be measured and mixed in the required amounts. Water and BR-903 Hydraulic Lime, as specified in the hydraulic lime mortar formula, should be gradually added to the mixture and continued to be mixed until a homogeneous consistency is obtained. The surfaces of the historical masonry structures to be repaired or plastered should be solid, dust-free, and clean. Any substances such as oil, grease, rust, etc., that may weaken the adhesion should be thoroughly cleaned from the surface. The wall surface to be treated should be pre-moistened to improve the adhesion and setting time of the mortar. If there is water flow on the surface, it should be sealed with a suitable plug and drained. There should be no free water that hinders adhesion on the surface. During application, the mortar is allowed to absorb the water, and water is sprinkled on the water-absorbed mortar, and the surface is finished as desired using a steel or wooden trowel. Multiple layers should be applied after the previous layer has hardened. Precautions should be taken against rapid drying in outdoor and large surface applications. Wet sacks or water should be used for rapid water loss for 1-2 days. Application Method/Equipment: For the material to complete its setting, the ambient and substrate temperature should not fall below the allowed minimum temperature. In external surface applications, the surface should be protected from sunlight, wind, rain, and frost during the first 24-48 hours after application. Cleaning: After application, it should be protected from direct sunlight, strong winds, high temperatures (+35°C and above), rain, and frost. The product should be cleaned from hands with water and detergent before it fully cures and hardens.

PACKAGING

18 kg moisture-resistant Kraft bag.

Shelf life is 12 months in unopened packaging in a dry environment.

STORAGE

It should be stored in its original unopened packaging in a dry (maximum 60% relative humidity) and cool (between +5°C and +25°C) environment. It should not be exposed to direct sunlight. It should be stored in a dry environment, stacked up to 10 layers at most.

SAFETY RECOMMENDATIONS

For easy and safe application of the product, please refer to the Safety Data Sheet (SDS). Avoid inhaling the dust as it contains cement. Avoid eye contact.

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CE TSE

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