



PROHIDRO

565

Natural Hydraulic Lime

PRODUCT DESCRIPTION:

It is a special plaster mortar that does not contain cement, developed for use in historical buildings.

FEATURES / ADVANTAGES:

It allows him to breathe.

High water vapor permeability

It is easy to apply.

Does not contain cement.

Flowering resistance is high.

It allows the production of mortar with different properties compatible with the historical texture.

It was cooked using traditional methods at low temperatures.

It is easy to prepare and apply.

PRODUCT INFORMATION:

Chemical Base	Lime-Based
Appearance / Color	Powder / Gray & Cream

PERFROMANCE:

(23°C, 50% RH)

Compressive Strength 28 days	≥ 3 N/mm ² TS EN 1015-11
Flexural Strength 28 days	≥ 1 N/mm ² TS EN 1015-11
Powder Density	0.8 ± 0.1 gr/cm ³
Pot Life	30 min
Application thickness	2-10 mm

These values have been obtained as a result of laboratory tests carried out in our company and are valid for the performance of the finished applications at the end of the full drying period. Since the temperature and humidity values in the construction site environment and the application surfaces and areas will vary, the values may change.

USAGE AREAS:

Indoor and outdoor

In the correction of plaster surfaces of historical buildings

In plastering walls for restoration purposes

Stone and brick masonry works

Repair or strengthening of historical masonry structures

Repair works of cracks in masonry domes and vaults

It is used as a binder in the preparation of Khorasan mortar to be used in joint production.

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APPLICATION INSTRUCTIONS:

Surface; It must be dry, solid and free of dust. It must be cleaned of residues such as oil, grease, dirt, paint, salt vomit that will prevent adhesion. The wall surface to be applied must be moistened beforehand in order to improve the adhesion and setting time of the mortar. If the water flow on the surface should be closed with the help of PROSRTOP & PROSTOP SPEED and the water should be drained. The wall on which the application will be made must be moistened beforehand.

25 kg of PROHIDRO is slowly added into 5.5-6.5 kg of water and mixed with a 400-500 rpm mixer for about 5 minutes.

Application Equipment:

Hand Mixer
Steel Trowel

The prepared mortar thickness is 2 - 20 mm and is applied to the entire surface with the same thickness with a trowel. After the application, the surface is smoothed with a gauge. The plaster that has started to harden is smoothed by polishing with a trowel before it hardens completely. At least 24 hours should be waited between coats and the previous coat should be moistened before starting the second coat.

LIMITATIONS:

Please obey to the application instructions to obtain optimum quality. In outdoor applications, the first 3 hours should be protected from sun, rain and frost. Do not add more water than necessary. Otherwise, cracking and adherence weakness will occur. Reaction times are affected by ambient and ground temperatures. Reaction times are shortened in hot environments and longer in cold environments. Hot mixing water should be used in cold environments. In hot environments, icy mixing water should be used. The application should be done between +5 C and +30 C. It should not be applied in hot, rainy and windy weather. It should not be applied on surfaces where there is a danger of frost. In multiple coat applications, it should be done after the previous one has hardened. Precautions should be taken against fast drying in open area and large surface applications. The product should be protected from rain, water, frost and adverse external factors until it cures (28 days). Expired and hardened mortar should be destroyed.

CONSUMPTION:

1.4-1.6 kg/m² for 1 mm thickness

PACKAGING:

In 25 kg kraft bag,
(64 pieces per pallet, 1600 kg)

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SHELF LIFE:

It is 1 year from the date of production in its original packaging in dry and non-humid (temperature between +5 C and +25 C) environments. The lid of the containers should be tightly closed when not in use. It should be kept away from moisture.

STORAGE CONDITIONS:

It should be stored in its unopened original package, in a moisture-free, dry and cool (temperature between +5 C and +25 C) environment. It should not be left under direct sunlight.

SECURITY:

Since it is cement based, do not breathe the dust, use a mask. Avoid contact with skin and eyes. Use protective gloves, goggles and clothing. In case of eye contact, seek medical advice immediately. Keep out of reach of children. In case of skin contact, wash with plenty of water and soap. Do not swallow. For detailed information and recommendations, please refer to the Safety Data Sheet.

DEKOSTAR San.ve Tic.Ltd. Şti. is not responsible for any application errors that may occur if the product is used for purposes other than its intended use or if the above-mentioned application conditions and recommendations are not followed. Dekostar reserves the right to change its products. Users should consider the latest edition of the Technical Data Sheet of the relevant product.