



# **PROHIDRO REPAIR 568**

**Natural Hydraulic Lime Based  
Repair Mortar**

## **PRODUCT DESCRIPTION:**

PROHIDRO REPAIR 568 is a pozzolanic lime-based, cement-free, high-strength, thixotropic repair mortar developed for historical buildings.

## **FEATURES / ADVANTAGES:**

Does not contain cement.  
They have high mechanical strength.  
Adhesion resistance is high.  
The water-soluble salts it contains are limited.  
It is easy to prepare and apply.  
Breathable, water vapor permeability is high.  
Capillary water absorption is low.  
Flowering resistance is high.

## **PRODUCT INFORMATION:**

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

## **PERFORMANCE:**

(23°C, 50% RH)

Compressive Strength 28 days	$\geq 15 \text{ N/mm}^2$ TS EN 1015-11
Mixture Density	$2 \pm 0.1 \text{ kg/lt}$
Pot Life	30 min
Full Curing time	7 days

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:**

In the sheathing of masonry walls,  
In the sheathing of arches and vaults,  
In wall and plaster repairs,  
In the placement of carbon rods in wall joints,  
Repair and strengthening of masonry foundations,  
It is used as a repair mortar in floor repairs or thick jacketing applications by adding aggregate to it.



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## **APPLICATION INSTRUCTIONS:**

Care should be taken to ensure that the surfaces of historical masonry structures to be repaired and plastered are solid, dust-free and clean. The surface is free of all kinds of oil, grease, rust, etc. that will weaken the adherence. must be thoroughly cleaned. The wall surface on which PROHIDRO REPAIR 568 will be applied must be pre-moistened in order to improve the adhesion and setting time of the mortar. If there is a water flow on the surface, it should be closed with the help of PROSRTOP & PROSTOP SPEED and the water should be drained. There should be no free water on the surface to prevent adhesion.

16 kg of PROHIDRO REPAIR is slowly added into 4.4-4.8 kg of water and mixed with a 400-500 rpm mixer for about 4 minutes.

## **Application Equipment:**

Hand Mixer  
Steel Trowel

The prepared mortar is applied with a trowel so that its thickness is between 1 -5 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 drawn mortar with a plasterer's brush. In applications to be made in more than one layer, after the previous layer has hardened, each layer should be applied with a maximum thickness of 5 cm. The previous layer must be moistened before the new layer is applied. Mortar can be prepared for thick applications such as screed and concrete by adding 30-35% by weight of cleanly washed aggregate with a grain size of 5-20 mm into the fresh mortar. During mortar preparation, the amount of water (10-15%) can be slightly increased, depending on the desired consistency. Large surfaces open to the atmosphere, especially in hot, dry and windy environments, should be protected against rapid evaporation with wet sacks or water for 24-48 hours after the application.

## **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. 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.



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**CONSUMPTION:**

It is 17 kg/m<sup>2</sup> powder product for 1 cm thickness in 1 m<sup>2</sup> area.

**PACKAGING:**

In 16 kg kraft bag,

**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.*