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Cod.1091

MINERALIZADOR PS-320

Liquid waterproofing system by crystallization.

- Waterproofing of dampness by capillarity through the creation of a crystalline barrier by injection of a network of drills previously carried out.
- Surface sealing of façades, vaults, flat roofs, pavements.
- Hardening of pavements, anti-dust treatment and increase of mechanical resistance in industry.
- Mineralization and consolidation treatments of natural stone, especially limestone rocks and sedimentary sandstones.



PRODUCT DESCRIPTION

Mineralizer PS-320 is a liquid product that consolidates and improves the impermeability of natural stone, brick, rammed earth, adobe, lime, etc. substrates by exchanging ions with the substrate.

RECOMMENDED USES

Mineralizer PS-320 is used as a waterproofing and sealing system on porous surfaces, such as:

- Waterproofing of dampness by capillarity through the creation of a crystalline barrier by injection of a network of drills previously carried out.
- Surface sealing of façades, vaults, flat roofs, pavements.
- Hardening of pavements, anti-dust treatment and increase of mechanical resistance in industry.
- Mineralization and consolidation treatments of natural stone, especially limestone rocks and sedimentary sandstones.

FEATURES & BENEFITS

The **Mineralizer PS-320** is a chemical compound designed for use on all types of substrates by simple spraying, brush application, immersion or contact for absorption by capillarity, which has the following properties:

- Immediate reduction of capillarity.
- Great penetrating power.
- It does not generate salts or efflorescence, nor does it alter the appearance of the treated support.
- It improves the mechanical and chemical characteristics of treated surfaces.
- Non-toxic.
- It does not attack armor.
- Breathable to water vapour.

PRESENTATION

1. The **Mineralizer PS-320** is supplied in different packaging formats: Plastic carafe of: 20 Kg. and 200 kg

STORAGE

The storage temperature of the **Mineralizer PS-320** should be between 10 and 25 °C. Containers (full or empty) should not be exposed to the direct action of the sun's rays or heat sources such as stoves, convectors, etc., as overpressures can occur inside them, causing the packaging to swell with the consequent danger during handling. The components are sensitive to moisture, therefore, they must always be stored in hermetically sealed containers and must be protected against the entry of moisture at all times, to avoid alterations in the final product or unusability for processing.

HOW TO USE

As an anti-moisture barrier:

Remove render and plaster at least one metre above the area affected by moisture. Remove efflorescence and clean up loose or degraded parts to a healthy and consistent substrate and repair with repair mortar. Drill into the base of the wall with a double row of holes, drilled in a staggered pattern, deepening to about 5 cm from the opposite side and, if possible, drill on both sides of the wall. The diameter of the holes will be from 25 to 40 mm, with a separation between them of 15 - 25 cm and inclined from 30° to 45° if the injection is done by gravity, and can be executed horizontally, in the planes of the joints if it is carried out under pressure. The greater the number of mortar joint planes drilled, the more effective the injection treatment will be. Clean the inside of the drills of loose debris and dust with a compressed air lance. In those cases where very old walls are involved, the effect of the mineralizer can be enhanced by previously filling the holes with alkaline water until it is absorbed. Place the **Mineralizer PS-320** in suitable feed vessels or cartridges in the drill mouths. Then fill several times, until the support is completely saturated. It is also possible to inject the holes using a low-pressure machine.

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This method maximizes the penetration of the mineralizer, and is highly recommended when working on fully saturated substrates or with humidity above 50%. Perform the injection at low pressure, between 3 and 20 bar, using injectors, allowing the injection to act for 5 to 10 minutes, then re-injecting if necessary and the support supports it. The pressure will vary depending on the strength of the support, degree of saturation, porosity, etc. It is preferable to exert less pressure by leaving it on longer. Once the injection is finished, fill the holes with mortar and render them, preferably with a cement mortar. If possible, it is advisable to apply a microporous mortar to the treated surface in order to speed up and facilitate the drying process of the wall.

As a surface treatment:

The **Mineralizer PS-320** reacts chemically with the cement compounds to achieve surface crystallization, which gives the treated surface hardness, abrasion resistance and impermeability. Apply to the surface of the clean and sanitized concrete or mortar by means of a brush, roller or spray, leaving it to act until it is completely saturated in one or more applications. The effectiveness of the treatment will depend on the porosity and absorption capacity of the substrate, as well as the degree of surface carbonation present.

CONSUMPTION

Consumption will vary depending on usage and application. An on-site test is recommended to approximate consumption. The following can be taken as guideline values:

Wall thickness		30 cm	50 cm	70 cm	100 cm
Consumption Kg/m	Concrete	3	5	7	10
	Brick	3,6	6	8	14
	Stone	3,3	5,5	7,7	11

It is recommended to carry out previous tests on the supports in order to observe possible changes in tonality.

LEGAL NOTICES

This information and, in particular, the recommendations regarding the application and end use of the product, are given in good faith, based on the current knowledge and experience of POLIUREA SYSTEMS of the products when they are correctly stored, handled and applied, in normal situations, within their useful life, in accordance with the recommendations of POLIUREA SYSTEMS. Possible differences in materials, substrates and actual conditions at the place of application are such that no warranty in terms of merchantability or fitness for particular purposes, or any other written advice or advice offered, can be inferred from the information herein, nor from any other written advice or advice offered.

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