

CLASS 1

A plasticizing additive that imparts water impermeability to mortar and plaster.



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Product Overview

CLASS 1 is an additive for mortar and plaster that interacts with cement and sand in these mixtures, effectively filling capillary voids while enhancing waterproofing and workability characteristics.



Application Domains

- As a plaster additive for vertical applications in both interior and exterior environments.
- It is utilized in various construction foundations, basements, retaining walls, pools, culverts, irrigation canals, terraces, and similar structures where waterproofing is required.



Technical Specifications

Intensity	1,02 ±0,03 kg/l _t
Colour	White
Chemical Composition	Fluidizer
Operating Temperature	+5 °C, +25 °C
Application Ground Temperature	+5 °C, +25 °C

The information presented in this technical data sheet is derived from experimental results. The responsibility for the proper application of our original product rests with the user. Our company is solely accountable for the product's quality. This data sheet supersedes the information provided in the previous version. Our company reserves the right to amend any information contained within this data sheet.



Advantages

- It enhances water resistance.
- It penetrates profoundly.
- It enhances the characteristics of processability.
- It offers volume enhancement and plays a significant role in concealing hairline cracks.
- It is free of solvents.
- It interacts with cement to enhance its strength.
- Can be utilized on damp surfaces.
- It enhances the workability of brick and stone facing mortars.



Surface Preparation

The surface must be devoid of any layers that may compromise adhesion, including oil, grease, dirt, paint, rust, and salt efflorescence. Fragile surfaces, such as cracked plaster, should be prepared by eliminating easily detachable materials, followed by moistening the surface. It is essential to prevent water accumulation on the surface during the moistening process. In cases where the application occurs in a confined space, adequate ventilation must be ensured. Any existing solvent-based paint on the surface must be removed prior to application.



Mixture

CLASS 1, offered in 5 kg and 30 kg liquid formats, requires thorough shaking prior to use. Any surplus CLASS 1 should be retained in its original packaging with the lid securely closed.



Application Details

After rinsing, incorporate the necessary quantity of CLASS 1 into the mixing water within a clean container and stir until a uniform mixture is achieved.

The quantity utilized varies based on the application area and the moisture content of the sand. In these physical structures, the mixing ratio of CLASS 1 with water must be modified accordingly.

The prepared mixture is incorporated into the dry mixture and blended with a low-speed mixer or drill until a uniform consistency is achieved and no lumps remain.

Excessive mixing is discouraged, as it may result in phase separation.

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Consumption

300-750 g/m² for a 1 cm thickness of plaster or screed.



PACKAGING

5 kg container

30 kg container



Shelf life

In its unopened packaging, it can be stored for 12 months in a cool, dry location, shielded from sunlight, at temperatures ranging from +10°C to +25°C.



Attention

Avoid applications when the ambient temperature is below +5°C or above +30°C. Refrain from applying in direct sunlight, rain, or wind. Do not apply on surfaces that have been exposed to sunlight for extended periods, are frozen, or are at risk of freezing within 24 hours.

R10: Keep away from children.

R20/22: Harmful if inhaled or ingested.

R52/53: Toxic to aquatic life, may result in long-term detrimental effects in the aquatic ecosystem.

R65: Harmful. May result in lung damage if ingested.

S7: Store in a securely sealed container.

S24/25: Avoid contact with eyes and skin. S28: In the event of skin contact, rinse immediately with abundant water.

S29: Do not release into the sewage system.

S46: If ingested, seek medical attention promptly and present the container or label.

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