PROLAT NATURAL INNOVATIVE MATERIALS

XIROPIGADO 196 00
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INFO@PROLAT.GR, WWW.PROLAT.GR

Revision No.v1
Revision Date: 06/2024

TECHNICAL DATA SHEET

ONE COAT PLASTER fiber-reinforced

DESCRIPTION

ONE COAT PLASTER fiber-reinforced is a ready-made industrial mortar, based on high-strength Portland cement that only requires the addition of water to be ready for use. It contains specially selected aggregates of constant grain size. It contains special additives that give it excellent adhesion and very good workability.
Certified according to EN 998-1 and classified as type CS IV, W2.

APPLICATION AREAS

ONE COAT PLASTER fiber-reinforced is used as a single-layer plaster on external and internal surfaces. Before applying it to any surface, a layer of spattered plaster must precede. The application thickness should not exceed 3 cm. In cases of particularly difficult surfaces, it is recommended to strengthen it using the LavaBond.

APPLICATION INSTRUCTIONS

Surface preparation

The surface must be clean and free of loose spots, dust, paint, grease, oil and wetted before application.

Application

Empty the powder (25kg) into a clean container with water (4.5-5lt) and stir with a low-speed drill (for a small amount) or with a concrete mixer (for a large amount). Stir until a homogeneous mass without lumps is created. Apply the plaster with a trowel or with the use of a press. Finally, rub the surface with a sandpaper after wetting the surface. The material must be thoroughly dry before you paint it.

CONSUMPTION

Approximately 14 kg/m^2.

CLEANING

Clean the tools immediately after use with water.

STORAGE

12 months from the date of production in unopened package kept in a dry place

SAFETY

Read carefully the label of the product before use. Detailed instructions regarding hazards and safety are provided in the Safety Data Sheet, which is available upon request.

PACKAGING

25kg paper bag/1500Kg pallet.

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Techinical Data (Measurement conditions 23°C and 50% R.H.)**:**

Form	cementitious powder	**Coherence**	167 mm
Water demand	4.5-5lt/25kg	**Compressive strength**	9,2 N/mm^2
Application temperature	from 5 °C to 35 °C	**Adhesion strength (28 days)**	0,5 N/mm^2
Consumption	14 kg /m^2/mm	**Capillary water absorption**	≤ 0,2 kg/m^2 min^{0,5}
Application thickness	3 cm (maximum)	**Water vapor permeability coefficient (μ)**	11
Specific gravity of dry mortar	1750 Kg/m^3	**Thermal conductivity ($\lambda_{10,dry}$)**	0,58 W/(m.K)
Specific gravity of wet mortar	2000 Kg/m^3	**Reaction to fire**	Class A1

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NOTICE

The technical information and instructions provided in this datasheet referring to the application and end use of PROLAT products are based on the company's expertise and experience with the products to date. They are provided in good faith under the condition that the products are stored, used, and applied in accordance with PROLAT's instructions. However, given our inability to directly oversee conditions at construction sites or during product application, the company cannot guarantee the suitability of its products for specific purposes, nor does it assume any legal responsibility based on the information provided in this brochure, whether written, oral, or otherwise communicated. Users are advised to conduct a small test to assess the suitability of the products for their intended application and purpose of use. The company reserves the right to modify the properties of its products without prior notice.

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PROLAT S.A.
Production of Minerals and Mortars
Afroditis 50 - P. Faliro, PC:175 61, Greece
DoP No: 012-PROLAT-CPR

EN 998-1:2016
ONE COAT PLASTER
General purpose rendering mortar (GP) for external and internal use

Reaction to fire: Class A1
Adhesion: 0.5 N/mm^2 – **FP**:A
Water absorption: W2
Water vapor diffusion coeff.: μ:11
Thermal conductivity: ($\lambda_{10,dry}$) 0.58 W/mK (tab. value
Durability (against freeze/thaw): NPD
Dangerous substances: See SDS