

## TECHNICAL DATA SHEET

# BASE COAT PLASTER

### DESCRIPTION

**BASE COAT PLASTER** is a pre-prepared industrial mortar based on gray 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 gray cement of increased strength and special additives that give it excellent adhesion, very good workability, high impact resistance as well as application in large thicknesses without "hanging". It ensures unique resistance to impact and vibrations.

Certified according to EN 998-1 and classified as type CS IV, W2.

### APPLICATION AREAS

PROLAT's **BASE COAT PLASTER** is used as a base layer of plaster on external and internal surfaces when applying the three-layer technique, creating a flat surface on which the final marble plaster or colored resin cement plasters will be applied. It is applied on any type of structural surface such as bricks, cement blocks, aerated concrete elements, stone, etc. Before applying it to any surface, a layer of plaster must be applied. In cases of particularly difficult surfaces, it is recommended to strengthen it using the **LavaBond** mortar improver.

### APPLICATION INSTRUCTIONS

#### Surface preparation

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

#### Application

Pour the powder (30kg) into a clean container with water (4.5-5.0 lt) and stir with a low-speed drill for

a small amount or with a concrete mixer for a large amount. We stir until a homogeneous, gelled mass without lumps is created. The material is applied using a plastering machine, with a trowel and is applied to a thickness of up to 44cm per layer. The final plaster is applied at least one week after the application of the **BASE COAT PLASTER**. The mixture remains workable for at least 3 hours.

### CONSUMPTION

Approximately 13 kg/m<sup>2</sup>.

### 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

30kg paper bag/1440Kg pallet.

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

Form	cementitious powder	Coherence	166 mm
Color	Grey	Pot life	3hr at +20°C
Water demand	4.5-5lt/30kg	Compressive strength	12,9 N/mm <sup>2</sup>
Application temperature	from 5 °C to 35 °C	Adhesion strength (28 days)	0,5 N/mm <sup>2</sup>
Application thickness	2,5 cm (maximum)	Capillary water absorption	≤ 0,1 kg/m <sup>2</sup> min <sup>0,5</sup>
Consumption	13 kg /m <sup>2</sup> /mm	Water vapor permeability coefficient (μ)	6
Specific gravity of dry mortar	1840 Kg/m <sup>3</sup>	Thermal conductivity (λ <sub>10,dry</sub> )	0,88 W/(m.K)
Specific gravity of wet mortar	2000 Kg/m <sup>3</sup>	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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<b>PROLAT S.A.</b> Production of Minerals and Mortars Afroditis 50 - P. Faliro, PC:175 61, Greece DoP No: 011-PROLAT-CPR
EN 998-1:2016 <b>BASE COAT PLASTER</b> General purpose rendering mortar (GP) for external and internal use
<b>Reaction to fire:</b> Class A1 <b>Adhesion:</b> 0.5 N/mm <sup>2</sup> – FP:A <b>Water absorption:</b> W2 <b>Water vapor diffusion coeff.:</b> μ:6 <b>Thermal conductivity:</b> (λ <sub>10, dry</sub> ) 0.88 W/mK (tab. value) <b>Durability (against freeze/thaw):</b> NPD <b>Dangerous substances:</b> See SDS