

TECHNICAL DATA SHEET

BUILDING MORTAR

DESCRIPTION

Pre-mixed mortar, based on gray Portland cement. High strength with selected aggregates of stable grain size. Reinforced with modified polymers, it stands out for its strong adhesion, high resistance to moisture and frost and its workability. It ensures unique resistance to impact and vibrations.

It is certified with the CE marking, according to EN 998-2, as a designed general purpose masonry mortar, for external use, in elements subject to structural requirements.

APPLICATION AREAS

It is used for building with bricks, tiles, cement blocks, slabs pavement, natural stone, etc. Does not present "sitting" effects from its effect weight of the masonry and its special composition gives it an unbreakable initial and final bond. No need to add enhancements for improving properties or workability with resulting in a more economical choice over traditional materials building.

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 (30kg) into a clean container with water (5.5lt) 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 mixture remains workable for 3-4 hours. The placement and stabilization of the structural elements in the selected position is done immediately by applying the material with a trowel.

CONSUMPTION

The consumption is about 20 kg/m² for brick building.

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	3-4hr at +20°C
Water demand	5,5lt/30kg	Compressive strength	Category M10
Application temperature	from 5 °C to 35 °C	Initial shear strength: (tab. value)	0,15 N/mm ²
Application thickness	2,5 cm (maximum)	Capillary water absorption	≤ 0,1 kg/m ² min ^{0,5}
Consumption	6-8 kg /m ² /mm	Water vapor permeability coefficient (μ)	6
Specific gravity of dry mortar	1840 Kg/m ³	Thermal conductivity (λ _{10,dry})	0,88 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 Afroditi 50 - P. Faliro, PC:175 61, Greece DoP No: 014-PROLAT-CPR
EN 998-2:2016 BUILDING MORTAR NB: 0437 Designed general purpose masonry mortar for external use in elements subject to structural requirements Compressive strength: Category M 10 Initial shear strength: 0,15 N/mm ² (tab. value) Reaction to fire: Class A1 Density (dry hardened mortar) 1840 kg/m ³ Water absorption: 0,1 kg/m ² min ^{0,5} Water vapour permeability: μ 6 (tab. value) Thermal conductivity: (λ _{10,dry}) 0,88 W/mK (tab. mean value; P = 50 %) Durability (against freeze/thaw): evaluation based on provisions valid in the intended place of use of the mortar