

TECHNICAL DATA SHEET

VISTRO 20 mortar for base layer plastering, without cement

DESCRIPTION

Vistro 20 is a cement-free base layer plastering mortar specially designed for masonry facing problems of damp moisture and aggressive action of salts. It consists of a mixture of quartz aggregates, fine-grained pozzolan (<75 µm), lime powder and hydraulic lime. It is composed of quartz aggregates with a maximum diameter of 2 mm and covers a layer thickness of up to 2.5 cm. It has very high mechanical strength and very high breathability.

Certified according to EN 998-1 and classified as type CS II, W0.

APPLICATION AREAS

Vistro 20 is applied to masonry with severe problems of damp moisture. It is recommended for applications on surfaces where we do not wish to use concrete (period buildings, preserved buildings, restorations, etc.). Ideal for filling joints reinforced with carbon fiber rods and enhancing the strength of domes and arches using special reinforcing fibers.

APPLICATION INSTRUCTIONS

Surface preparation

The surface must be clean and free of loose spots, dust, paint, grease, oil. Any defects and gaps in the joints are repaired a layer of **Vistro 20**, previously applied from the day of application. Before applying **Vistro 20**, it is necessary to fully wet the surface, but also to apply **Vistro 10** as a plaster.

Application

There is no recommended dry mortar/water mixing ratio. Since the properties of the material in relation to water do not change, the water ratio can be defined by the user, depending on the work and the priming and the application of the final coatings, with a desired consistency of wet mortar. Mix **Vistro 20** with a low-speed drill or in a concrete mixer (hand mixing should be avoided) until a homogeneous, lump-free liquid mortar is created. Apply **Vistro 20** using a trowel or with a special plastering machine, just as we apply classic plastering.

CONSUMPTION

Approximately 13 kg /m² depending on the applied thickness and surface condition.

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.

PACAGING

30kg paper bag, 1440kg pallet

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

Form	powder	Coherence	180 mm
Water demand	4lt-4,5lt/20kg	Compressive strength	4,8 N/mm ²
Application temperature	from 5 °C to 35 °C	Adhesion strength (28 days)	0,7 N/mm ²
Application thickness	2.5 cm (max)	Capillary water absorption	≤ 0,8 kg/m ² min ^{0,5}
Consumption	13 kg /m ²	Water vapor permeability coefficient (μ)	6
Specific gravity of dry mortar	1890 Kg/m ³	Thermal conductivity (λ _{10,dry})	0,49 W/(m.K)
Specific gravity of wet mortar	2030 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: 019-PROLAT-CPR
EN 998-1:2016 VISTRO 20 General purpose rendering mortar (GP) for external and internal use Reaction to fire: Class A1 Adhesion: $\geq 0.7 \text{ N/mm}^2$ – FP:A Water absorption: $W_c 0$ Water vapor diffusion coeff.: $\mu: 6$ Thermal conductivity: ($\lambda_{10, dry}$) 0.49 W/mK (tab. value) Durability (against freeze/thaw): NPD Dangerous substances: See SDS