

TECHNICAL DATA SHEET

LAVAPAIN

NATURAL PAINT with kourasani

DESCRIPTION

LavaPaint is bioclimatic inorganic, natural paint, based on ceramic flour, kourasani and theraic earth, while it contains inert materials, specially selected, without any chemical treatment. It creates a special aesthetic with "aqueous domains" and texture shaped by the applicator using a spatula. It has excellent breathability, ensuring a dry surface and keeping the atmosphere of the room healthy and pleasant. All the properties of **LavaPaint** come from the properties of natural mineral raw materials as they do not contain chemical additives, plasticizers, foaming agents and preservatives. It is extremely durable and protects the surface from adverse weather conditions and UV radiation. It can be used both externally and internally giving an extremely durable but at the same time elastic and waterproof surface.

All shades are produced from ceramic powder and natural inorganic pigments, friendly to environment and the user.

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

APPLICATION AREAS

LavaPaint is specially designed for inorganic surfaces such as facades, exposed floors, columns, walls, etc. and is available in shades, so we avoid the cost of painting.

APPLICATION INSTRUCTIONS

Surface preparation

LavaPaint is applied to plaster, concrete, cement boards, gypsum boards, etc. The substrate must be dry and free of dust, oil, loose materials, etc. If the substrate is plasterboard, we first apply the **Lavapaint Micro Primer**. For each application, we first apply the **LavaContact** quartz-based primer.

Coloring procedure

LavaPaint Coloring Powder is the pigment for coloring **LavaPaint**. One dose (one container) of

pigment corresponds to 10 kg of **LavaPaint**. Mixing is done without adding water until **LavaPaint** acquires a homogeneous color. It is not recommended to mix the materials separately, due to the possibility of variation in the final shade.

Application

Empty the powder (10kg) into a clean container with water and stir for 5-10 minutes with a low-speed drill until a homogeneous, cohesive paste without lumps is created. Adjust the desired workability by slowly and gradually adding clean water. **LavaPaint** is applied with a smooth stainless-steel trowel and then sanded with a sander or plastic smoothing trowel. After 1-2 days, and after the **LavaPaint** has completely dried, the **LavaDrops Penetrate** primer is applied with a roller to saturation in 2-3 layers to completely waterproof the surface.

CONSUMPTION

Approximately 2 kg/m² and depending on the application thickness.

CLEANING

Clean the tools immediately after use with water.

STORAGE

The product is kept for 12 months from the date of production, as long as it remains in the original, sealed container, protected from direct sunlight, heat, and frost.

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.

TECHNICAL DATA SHEET**LAVAPAIN** NATURAL PAINT with kourasani**Technical Data** (Measurement conditions 23°C and 50% R.H.):

Form	cementitious powder	Touch dry	1-2 hours, depending on the temperature and humidity of the substrate.
Color	>50 shades	Chloride anions	< 0,02%
Application temperature	from 5 °C to 35 °C	Compressive strength	14,7 N/mm ²
Consumption	2 kg /m ²	Adhesion strength (28 days)	1,6 N/mm ²
Granulometry	0 up to 1,5 mm	Capillary water absorption	≤ 0,1 kg/m ² min ^{0,5}
Specific gravity of dry mortar	1480 Kg/m ³	Water vapor permeability coefficient (μ)	10
Specific gravity of wet mortar	1650 Kg/m ³	Thermal conductivity (λ_{10,dry})	0,52 W/(m.K)
Coherence	170 mm	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: 021-PROLAT-CPR
EN 998-1:2016 LAVAPAIN General purpose rendering mortar (GP) for external and internal use Reaction to fire: Class A1 Adhesion: $\geq 1.6 \text{ N/mm}^2$ – FP:B Water absorption: W2 Water vapor diffusion coeff.: $\mu: 10$ Thermal conductivity: ($\lambda_{10, dry}$) 0.52 W/mK (tab. value) Durability (against freeze/thaw): NPD Dangerous substances: See SDS