

TECHNICAL DATA SHEET

LAVAPAIN

PROPERTIES

LavaPaint is a bioclimatic, inorganic, natural paint, based on ceramic flour, kourasani and theraic earth, while it contains not chemically treated, specially selected, inert materials. It creates a special aesthetic with water effect and textures that are shaped by the applicator using a trowel. Its special formulation gives excellent breathability, ensuring a dry surface and keeping the atmosphere of the space healthy and pleasant. All the properties of **LavaPaint** come from the properties of natural mineral raw materials as it does not contain chemical additives, plasticizers, film-forming agents and preservatives. It is highly durable and protects the surface from adverse weather conditions and UV radiation. It can be used both externally and internally giving a durable but at the same time elastic and waterproof surface.

All shades are produced by the combination of ceramic flour and natural inorganic pigments, which are friendly to the environment and the user.

FIELDS OF APPLICATION

LavaPaint is specially designed for inorganic surfaces such as facades, exposed concrete, columns, walls, gypsum boards, cement boards etc. and is available tinted so the cost of painting is avoided

APPLICATION

Surface preparation

LavaPaint is applied on plaster, concrete, cement boards, plasterboard, etc. The substrate must be dry and free of dust, oils, loose materials, etc. For each application we first apply the quartz adhesive primer LavaContact.

Tinting

LavaPaint is tinted with Coloring Powder pigment powder. One dose (one plastic container) of tinting powder can tint 10 kg LavaPaint. Mixing is done without the addition of water until the powder mixture of LavaPaint and pigments has a homogeneous color. Individual mixing of the materials is not recommended, due to the possibility of differentiation of the final shade.

Application

Pour the powder (10kg) into a clean container with water and stir for 5-10 minutes with a low-speed mixer until a homogeneous, cohesive paste without lumps is created, adjusting the desired workability by slowly and gradually adding clean water. LavaPaint is applied with a smooth, stainless-steel trowel and then rubbed with a marble grinder or a plastic, surface smoothing trowel. After 1-2 days, and after **LavaPaint** is completely dry, LavaDrops Penetrate is applied, until saturation of the surface, with a roll in 2-3 layers in order to completely waterproof of the surface.

CLEANING OF TOOLS

After each use, clean the tools with clean water.

CONSUMPTION

Consumption is about 2 kg/m² depending in the application thickness.

RESTRICTIONS

Do not apply the product when the ambient temperature and / or the temperature of the substrate is below 5 °C or above 35 °C. Do not apply in areas with permanent and constant humidity such as bathrooms, saunas, etc.

TECHNICAL DATA SHEET

LAVAPAINΤ

STORAGE

Store in frost-protected areas for at least 18 months from the date of production.

PACKAGING

10kg

SAFETY

If swallowed, seek medical advice immediately by pointing to the container or label.

TECHNICAL DATA:

Granulometry	0 - 1,5 mm	Resistance to compression after 28 days (EN 1015-11)	14,7 N/mm ²
Consumption	2 kg/m ²	Consistency (EN 1015-3)	170 mm
Application temperature	5 °C - 35 °C	Density (wet plaster) (EN 1015-6)	1,65 g/cm ³
Curing time	1-2 hours, depending on substrate, temperature and humidity.	Density (dry powder) (EN 1510-10)	1,48 g/cm ³
Χρώμα	>50 colours	Thermal conductivity (EN 1745)	0,52 W/(m*K)
Reaction to fire	Euroclass A1. 96/603/EK	Thermal conductivity coefficient [table A.12, EN 1745], (W/mK)	P=50% fractiles (P):0,52 P=90% fractiles (P): 0,56
Chlorides	< 0,02%	Adhesion after 28 days (EN 1015-12)	1.60 N/mm ²
Capillary water absorption coefficient EN 1015-18	W<0,1 kg/m ² .min ^{0.5}		

