

TECHNICAL DATA SHEET

LAVACRYL HYBRID PLASTER

DESCRIPTION

Hybrid, organic, pasty plaster based on a new generation hybrid technology of acrylic and polyurethane polymer emulsions that offer excellent waterproofing, water absorption and elasticity. **LavaCryl** 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. It is also ideal for thermal facades. It has excellent workability and is easy to use, giving the applicator enough time to correct the treated surface and any mistakes made during application. It is available in white while it can be colored in all shades of the international coloring systems (NCS, RAL, etc.).

Classified as external render and internal plaster based on organic binders, according to EN 15824.

APPLICATION AREAS

LavaCryl is specially designed for building facades and is applied to surfaces such as external thermal insulation, anti-fracture systems, but also in classic building applications (new construction, repair, etc.) replacing the classic final plaster of marble mortar.

APPLICATION INSTRUCTIONS

Surface preparation

LavaCryl is applied on plaster, concrete, cement boards, plasterboards, etc. The substrate must be dry and free of dust, oils, loose materials, etc. For application on very absorbent substrates, we first apply the acrylic primer **LavaPaint Micro Primer** and then if is required **LavaContact** adhesion primer. We apply **LavaCryl** after the primer or intermediate mortar of the substrate has completely dried.

Application

Before use, good stirring is required with a hand mixer, at slow speeds. **LavaCryl** is applied with a smooth, stainless steel trowel or by using a spray machine in a thickness equal to the size of the grain size or desired technique. Before the surface dries and while it is still fresh (depending on the substrate and the temperature we calculate 10-20 minutes after application) the final texture is given to the surface using smooth plastic spatula.

CONSUMPTION

The consumption is proportional to the granulometry:

- **Lavacryl 1,0mm**
1,8 kg/m²/mm
- **Lavacryl 1,2mm**
2,1 kg/m²/mm
- **Lavacryl 1,5mm**
2,3 kg/m²/mm
- **Lavacryl 2,0mm**
3,0 kg/m²/mm

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.

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

Form	paste	Adhesion strength	0,4 MPa
density	1.7-1.9 gr/cm ³	Water vapour permeability	V2: Medium 0,14 ≤ s _D < 1,4m
Application temperature	from 5 °C to 35 °C	Water absorption	W2: Medium 0,5 ≤ w < 0,1 kg/m ² ·h ^{0,5}
Consumption	<ul style="list-style-type: none"> • Lavacryl 1,0mm 1,8 kg/m²/mm • Lavacryl 1,2mm 2,1 kg/m²/mm • Lavacryl 1,5 mm 2,3 kg/m²/mm • Lavacryl 2,0mm 3,0 kg/m²/mm 	Thermal conductivity (λ_{10,dry})	1,05W/(m.K)
Touch time	4-6hr	Reaction to fire	Euroclass A2-s2, d0




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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: 010-PROLAT-CPR
EN 15824:2017 LAVACRYL HYBRID PLASTER External renders and internal plasters based on organic binders Water vapour permeability: V2 Water absorption: W2 Adhesion: 0,4 Mpa Durability: NPD Thermal conductivity: $\lambda = 1,05 \text{ W}/(\text{m}\cdot\text{K})$ Durability (against freeze/thaw): NPD Reaction to fire: Euroclass A2-s2, d0 Dangerous substances: According to paragraph 4.8