

TECHNICAL DATA SHEET

LAVASCREED SELF-LEVELING QUARTZ-BASED MORTAR

DESCRIPTION

Self-leveling, quartz-based, fiber-reinforced cementitious mortar designed for leveling floors, modified with specially selected synthetic resins. It has high mechanical strength, excellent adhesion, and excellent workability. Gives a smooth, flat and crack-free surface. Suitable for 3-30 mm thick applications.

Certified according to EN 1504-2 and classified as a coating for surface protection of concrete.

APPLICATION AREAS

It is ideal for leveling and smoothing floors made of concrete, cement mortar, or old mosaics that are to be covered with marble, tiles, plastic flooring, carpet, parquet, pressed cement mortar, etc. It is the ideal solution for the preparation of substrates that are going to receive heavy loads and intense traffic as well as for floors with underfloor heating (the condition is to maintain the construction joints of the substrate). It creates a smooth final surface with excellent abrasion resistance, making it the ideal choice for the construction of new floors internally, in shopping centers, supermarkets, shops, exhibition centers as well as for finishing basements, attics, etc.

APPLICATION INSTRUCTIONS

Surface preparation

The application surface must be clean and free of loose spots, dust, paint residues, grease, oil, etc.

Priming

- Absorbent surfaces, such as concrete, exposed concrete, cement mortars, etc., must be primed with the **LAVAPAINTE Micro Primer**. The application of the material follows after the primer has completely dried.
- Smooth or non-absorbent surfaces must be primed with **LavaContact** primer. The
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- application of the material follows after the primer has completely dried.

Application

In a clean container with 6.5-7.5lt of water, add 25kg of mortar powder in a smooth flow under continuous stirring. Stirring is recommended to be done with a low-speed drill (250-300 *r.p.m.*), until a homogeneous mass without lumps is created. The application is made to the desired thickness in one layer using large metal toothed spatulas by emptying and spreading the liquid mortar on the ground. Then pass the liquid mortar with a toothed roller to remove the entrapped air.

Caution: Material that has already begun to set in the container must not be reused

CONSUMPTION

Approximately 1.7 kg/m²/mm per layer thickness

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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Revision No.v1
Revision Date: 06/2024

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

Form	cementitious powder	Coherence	146 mm
Color	white	Compressive strength	17,7 N/mm ²
Water demand	6.5-7.5lt/25kg	Bending strength	4,2 N/mm ²
Application temperature	from 5 °C to 35 °C	Adhesion strength (28 days)	0,8 MPa
Pot life	4hr	Capillary water absorption	0.03 kg/m ² min ^{0.5}
Consumption	1.7 kg/m ² /mm	Set to foot traffic	24hr
Specific gravity of dry mortar	1660 Kg/m ³	Reaction to fire	Class A1
Application thickness	10 mm		



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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: 032-PROLAT-CPR	
EN 1504-2:2004 LAVASCREED Surface protection product (MCC mortar) intended for uses with low performance, not subject to reaction to fire regulations	
Water vapour permability	Class II
Capillary absorption and permeability to water	$w < 0.1 \text{ kg/m}^2 \cdot \text{hr}^{0.5}$
Adhesion strength by pull off test	$\geq 0.8 \text{ N/mm}^2$
Reaction to fire	Euroclass A1
Release of dangerous substances	comply with 5.4