

EL 100 Fine Hand Plaster for Interior and Exterior Surfaces

Product Overview
CLASS MAKINA EL.100 is a high-performance, polymer-modified fine hand plaster specifically designed for application on cement-based surfaces, brick, concrete, exposed concrete, aerated concrete, block walls, pumice, and ceilings.

- Application Domains**
- Indoors
 - Exposed concrete, aerated concrete, masonry, pumice.
 - It is applicable to concrete and brick wall and ceiling surfaces.

Technical Specifications

Intensity	1,35 kg/lt (± 0,05)
Colour	Gray
Water Mixing Ratio	8-9 liters of water for 40 kilograms of powder
Sun We are not	$0,40 \leq \text{kg/m}^2 \cdot \sqrt{\text{min}}$
Adhesive strength	$>0,3 \text{ N/mm}^2$
Application Ground Temperature	+5 °C, +30 °C
Ambient Ground Temperature	+5 °C, +30 °C
Application thickness	1-2.5 cm
Flexural strength	$>1 \text{ N/mm}^2$
Compressive strength	$>3 \text{ N/mm}^2$
Thermal Conductivity Coefficient (TS EN 1745)	0,450(W/mK)

The information presented in this technical data sheet is derived from experimental results. The responsibility for the proper application of our original product rests with the user. Our company is solely accountable for the product's quality. This data sheet supersedes the information provided in the previous version. Our company reserves the right to amend any information contained within this data sheet.

- Advantages**
- Due to its uniform structure, it offers exceptional adhesion and strength at every point on the surface.
 - It facilitates a straightforward and rapid application with the machine.
 - The surface is completed with a single coat application.

Surface Preparation
The surface must be devoid of dust, oil, paint, and other substances that could hinder adhesion. Any imperfections, cracks, or breaks on the surface to be coated should be filled and repaired using CLASS Remiks 5-10 repair mortar. Prior to plastering, the surface, particularly areas exposed to sunlight and wind, should be thoroughly saturated with water. For ceiling applications and on smooth (raw concrete, etc.) and absorbent surfaces (aerated concrete, pumice, etc.), pre-spraying should occur at least 72 hours before application. On raw concrete surfaces exhibiting smoothness and gloss, pre-spraying should be conducted in conjunction with a compact primer, and application should follow after drying. Fiberglass mesh should be employed at wall joints and structural elements with a heightened risk of cracking, such as columns, beams, and lintels.

Mixture
CLASS MAKINA EL 100 is offered in a 40 kg powder format within a Kraft bag. The powder is combined with 8-9 liters of clean water and subsequently applied to the surface requiring treatment.

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Application Details

CLASS MAKİNA EL 100 cement-based hand plaster must be applied at a minimum thickness of 8-10 mm. The application thickness should range from 1-2.5 cm in a single coat. If the thickness exceeds 2.5 cm, the second coat should be applied only after the first coat has fully cured (after 1 day). The second coat must not exceed 2.5 cm in thickness. Special aluminum profiles are required for a smooth plaster application, and corner profiles should be utilized to prevent corner damage. The machine plaster, applied in horizontal strips, should be leveled using specialized aluminum leveling profiles. Once the plaster has adequately hardened, the surface should be troweled. The surface finishing is completed with a damp sponge. The plaster will be ready for decorative finishes and/or paint after 7 days.

Consumption

Depending on the surface composition, approximately 14-15 kg/m² for a thickness of 1 cm.

PACKAGING

40 kg force bag

Shelf life

In its unopened packaging, it can be stored for 12 months in a cool, dry location, shielded from sunlight, at temperatures ranging from +10°C to +25°C.

Attention

Avoid applications when the ambient temperature is below +5°C or above +30°C. Do not apply in direct sunlight, rain, or wind. Refrain from applying on surfaces that have been exposed to sunlight for an extended period, are frozen, or are at risk of freezing within 24 hours.

R10: Keep away from children.

R20/22: Harmful if inhaled or ingested.

R52/53: Toxic to aquatic life; may result in long-term detrimental effects in the aquatic ecosystem.

R65: Harmful. May result in lung damage if ingested.

S7: Store in a securely sealed container.

S24/25: Avoid contact with eyes and skin. S28: In the event of skin contact, rinse immediately with ample water.

S29: Do not release into the sewage system.

S46: If ingested, seek medical attention promptly and present the container or label.