

EUROPLAST EXPO 101

DECORATIVE CEMENTITIOUS PLASTER WITH A MEDIUM GRAIN FINISH

DESCRIPTION

EUROPLAST EXPO 101 represents a pinnacle in ready-mixed cementitious plaster technology. Crafted for traditional plastering methods, it excels in efficiency and cleanliness while delivering impeccable textured finishes on exterior facades. Its unique formulation, blending cement, well-graded aggregate, special polymers, and hydrophobic additives, ensures not only ease of application but also durability. When combined with water transforms into a malleable decorative plaster, capable of adorning walls with long-lasting textured aesthetics.

USES

EUROPLAST EXPO 101 is suitable for internal and external plastering on ceilings, concrete surfaces, bricks, regular blocks, and concrete blocks. Designed to create a textured finishing on building facades. And can be used as a final layer of the External Thermal Insulation Composite System (ETICS).

ADVANTAGES

- Excellent adhesion and robust mechanical properties
- Weather resistance
- Shrinkage controlled polymer modified plaster
- Easy to apply, pre-mixed plaster that requires only the addition of water
- Available in a wide range of colors
- Long-lasting durability

STANDARD

EUROPLAST EXPO 101 complies with ASTM C150 and ASTM C 926 -15b standards.

APPLICATION

Surface Preparation

Before plastering/rendering, ensure the surface is free from dust, loose particles, cement laitance, oil, and grease. Before EUROPLAST EXPO 101 application, damp the entire surfaces with clean potable water, and the substrate should be neutralized at the time of the application.

TYPICAL PROPERTIES

Appearance	Variable
Mixed Density	1.7 g/cm ³ ± 0.02
Compressive Strength (ASTM C109/109M)	5 MPa
Maximum Grain Size	Approx. 1.15 mm
Coat Thickness	1 mm - 2 mm
W/P	0.2
Initial Set	2 hours
Final Set	24 hours

Additionally, make sure to fix all electrical fittings, corner beads, etc. Prior to commencing the rendering work.

MIXING

Mixing Ratio: 5 L : 25 kg (water:powder)

When mixing EUROPLAST EXPO 101, add water to a clean mixing vessel following the desired consistency and recommended ratio. Slowly add the EUROPLAST EXPO 101 powder while stirring. Use a forced action mixer for 2 to 3 minutes or until lump-free (max 5 minutes). Alternatively, a slow-speed drill (max 500 rpm) can be used. Do not mix more material than usable within the pot life for best results.

APPLICATION INSTRUCTIONS

Apply the plaster on the prepared surface with a thickness of 3 mm in a single layer. For a more appealing finish, it is recommended to apply 2 coats. Allow the product to properly set on the surface before proceeding with any curing. If a greater thickness is needed, apply the plaster in two layers. The first layer should be left rough, and once it is applied, cure it before adding the second layer. EUROPLAST EXPO 101 gives a smooth and visually pleasing finish. Always allow at least 48 hours after the first layer for optimal results.

CURING

To achieve optimal results, the plaster should be cured with water for a minimum of 3 days. This involves spraying the plaster with water 3 to 4 times daily during the curing period.

COVERAGE

EUROPLAST EXPO 101 yields approximately 17 liters; however, consumption depends on the application method and the substrate finish.

PACKAGING

EUROPLAST EXPO 101 is supplied in 25 kg bags.

STORAGE

EUROPLAST EXPO 101 should be stored and maintained in a cool, dry, and well-ventilated area.

HEALTH AND SAFETY

For more information, please check the Material Safety Data Sheet.

CONTACT

For information regarding the licensee or manufacturer for ECA, please contact us at techsupport@alfaihaengineering.com.

DISCLAIMER

ECA aims to ensure the accuracy of information and recommendations in the product literature. However, due to variations in materials, substrates, and site conditions, and without control over product application, storage, weather, and usage conditions, ECA cannot be held liable for any resulting issues.