



ECO MORTAR

Technical Data Sheet

Effective Date: November 25, 2024

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ECO-290 RENDER (FINISH PLASTER)



1. Product Description:

ECO-290 is a premixed plaster mortar formulated to achieve a superior, fine finish. It functions as both the plaster and the final smooth surface in a single application, eliminating the need for a separate skim coat. This product is a homogeneous blend of cement, graded sand, fillers, and specialized additives.

2. Features & Uses:

- Helps prevent hairline cracks, improving the durability and aesthetic appeal of the building.
- Saves time and material, offering greater cost-efficiency for projects.
- Achieves a smooth surface ready for painting without requiring an additional finishing layer.

3. Specifications:

Product	Standard Parameters	Finish Plaster
Product		ECO-290
Color	-	Light Grey
Adhesive	-	Portland Cement
Aggregate	-	Silica Sand
Filler Material	-	Aggregate <0,045 mm
Additives	-	Additional materials to workability and adhesion
Density	>1.6 kg/L	1.90 kg/L
Application Thickness	± 5 mm	± 5 mm
Water Requirement	7 - 9 L / 40 kg sack	7 - 9 L / 40 kg sack
Compressive Strength (BS EN 1015-11)	>3 N/mm ²	3.69 N/mm ²
Moisture Content (BS EN 1015-19)	<1%	0.3%
Open Time	30 minutes	30 minutes
Spreadability	-	± 4,2 m ² / 40 kg sack / 5 mm



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4. Instructions for use :

Application Preparation

1. Clean the surface of any debris or contaminants that could weaken the adhesion.
2. Ensure the surface is sufficiently dry for optimal bonding.

Mixing Water and Powder

Pour water into the mixing container in a ratio of 1 : 5 then slowly add ECO-290 powder (40 Kg).

Mixing Process

Stir the mixture of water and powder until smooth using a *hand mixer* or cement spoon.

Application Process

1. Use a plastering trowel and level the material
2. Dampen the surface of dry lightweight brick with clean water before application.
3. Apply the plaster at a recommended thickness of 5–8 mm.

5. Cleaning of the equipment after application:

Clean all tools and the work area with clean water immediately after use (within 20 minutes).

6. Storage Rules:

1. Store in a cool, dry place, avoiding freezing temperatures.
2. Keep away from direct sunlight or excessive heat.
3. Avoid direct contact with the floor.
4. Do not store in a damp area or areas potentially exposed to water.
5. Keep out of the reach of children.

7. Expiration Period:

1 year when stored in unopened packaging in a dry room. Storing on pallets is recommended.