



ECO MORTAR

Technical Data Sheet

Effective Date: November 25, 2024

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ECO-101 TRASRAM PLASTER



1. Product Description:

ECO-101 is an instant water-resistant cement specifically designed for plastering. Its specialized formula is suitable for damp-proof courses (trasram), bathrooms, foundations, and more. It is composed of a homogenous mixture of cement, selected silica sand, fillers, and crosslinking polymers to ensure high quality.

2. Features & Uses:

- Ready to use and easy to apply.
- Provides strong bonding strength.
- Maintains durability against water penetration.
- Excellent in humid environments or areas with direct water contact.

3. Specifications:

Product	Standard Parameters	Trasram Plaster
Product		ECO-101
Color	-	Grey
Adhesive	-	Portland Cement
Aggregate	-	Silica Sand
Filler Material	-	Aggregate <0.6 mm
Additives	-	Additional materials to improve durability, adhesion and consistency
Density	>1.6 kg/L	1.84 kg/L
Application Thickness	± 10 mm	± 10 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	3.05 N/mm ²
Moisture Content (BS EN 1015-19)	<1%	0.40%
Open Time	30 minutes	30 minutes
Spreadability	-	± 2,1 m ² / 40 kg sack / 10 mm



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4. Instructions for use:

Application Preparation

1. Clean the base surface from debris and dirt that may reduce adhesion.
2. The surface should have an adequate dryness level to ensure maximum bonding.

Mixing Water and Powder

Pour water into the mixing container at a 1:5 ratio, then gradually add the ECO-101 powder (40 kg).

Mixing Process

Mix the water and powder until smooth using a hand mixer or a trowel.

Application Process

1. Use a suitable plastering trowel for the job.
2. Use a long aluminum or steel straightedge (jidar) and dampen dry brick surfaces with clean water.
3. Adhere to the recommended application thickness of ± 10 mm for plastering and bricklaying.

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.