



ECO MORTAR

Technical Data Sheet

Effective Date: **November 25, 2024**

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ECO-480 TILE ON TILE ADHESIVE



1. Product Description:

ECO-480 is a tile adhesive designed for installing floor tiles, wall tiles, and tile-on-tile applications for sizes up to 60 x 60 cm. It is composed of a homogenous blend of cement, selected sand, fillers, and active link polymers, ensuring a high-quality product performance.

2. Features & Uses:

- High adhesion and ease of application are the main advantages of this product.
- Allows for tile replacement without needing to dismantle the old tiles.
- Prevents wall tiles from sagging during installation, ensuring a neater finish.
- Prevents floor tiles from lifting (popping).

3. Specifications:

Product	Standard Parameters	Tile on Tile Adhesive
Product		ECO-480
Color	-	Grey
Adhesive	-	Portland Cement
Aggregate	-	Silica Sand
Filler Material	-	Aggregate <0.6 mm
Additives	-	Additional materials to improve workability, adhesion, durability, and consistency
Density	>1.6 kg/L	1.88 kg/L
Application Thickness	± 3 mm	± 3 mm
Water Requirement	5 - 7 L / 25 kg sack	5 - 7 L / 25 kg sack
Compressive Strength (BS EN 1015-11)	>3 N/mm ²	11.34 N/mm ²
Adhesive Strength (BS EN 1015-12)	>0.5 N/mm ²	0.95 N/mm ²
Moisture Content (BS EN 1015-19)	<1%	0.30%
Open Time	30 minutes	30 minutes
Adhesive Strength Pull Off	>0.5 N/mm ²	0.865 N/ mm ²



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Slip Resistance	<0.5 mm	0.04 mm
Spreadability	-	± 5 m ² / 40 kg sack / 3 mm

4. Instructions for use:

Application Preparation

1. Prepare a stable and level substrate. Set up guidelines to ensure the installation is orderly, straight, and easy to perform.
2. Clean the substrate, removing any loose debris or contaminants. Before installation, dampen the installation surface and the back of the tiles.

Mixing Water and Powder

Pour water into the mixing container in a ratio of 1 : 5 then slowly add ECO-480 powder (25 Kg).

Mixing Process

Stir the mixture with a hand mixer or trowel until a smooth, consistent paste is achieved.

Application Process

1. Install the tiles manually using a notched trowel.
2. The recommended adhesive mortar thickness is approximately ± 3 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:

8 months when stored in unopened packaging in a dry room. Storing on pallets is recommended.