



ECO MORTAR

Technical Data Sheet

Effective Date: November 25, 2024

Technical Data Sheet

ECO-453 INTERIOR AND EXTERIOR TILE GROUT



1. Product Description:

ECO 453 is a Ceramic & Granite tile grout specially formulated for all types of tiles, ceramics, granite, and mosaics on both floors and walls. It has strong and durable adhesion, making it resistant to friction and less prone to crumbling or cracking. It consists of a homogeneous mixture of cement, special polymers, pigments, and high-quality additives.

2. Features & Uses:

- Strong adhesion
- Grout does not easily crumble or crack
- Flexible
- Colors are fade-resistant
- Resistant to friction and abrasion
- Suitable for interior and exterior use, on walls and floors

3. Surface Type:

Can be used as a grout filler for the gaps between ceramic tiles, granite, natural stone, and mosaics.

4. Specifications:

Form	Powder
Color	According to the Color Chart
Water needs	<ul style="list-style-type: none">● Volume ratio = 1 : 2.5 - 3 (clean water: ECO-453).● Weight comparison = 300 - 330 ml of clean water with \pm 1 kg ECO-453
Drying Time	24 hours
Grout Width	1 – 3 mm
Pot life	30 minutes
Theoretical Coverage (m ² /Kg)	



Ceramic Size	Grout width 1 mm	Grout width 2 mm	Grout width 3 mm
200 x 200 x 6	10	5	3
300 x 300 x 8	13	6	4
400 x 400 x 8	18	9	6
600 x 600 x 10	16	8	5
800 x 800 x 12	15	8	5

5. Instructions for use:

1. Preparation: Grouting should be done only after the tile adhesive has completely hardened (minimum 24 hours). Clean the grout joints, removing any remaining cement, dust, oil, or other contaminants that could reduce adhesion. Before application, dampen the grout joints with a sponge or a damp cloth.
2. Mixing: Pour clean water into a mixing container, then add the ECO 453 powder. Mix slowly with a hand mixer or trowel until a homogeneous paste is achieved. Let the mixture stand for 3 minutes to allow all components to react completely.
3. Application: Fill the grout joints using a rubber float, moving in a diagonal direction to ensure the joints are compactly and evenly filled.
4. Cleaning: Immediately clean any excess grout from the tile surface. During the drying process, the area must not be exposed to water. If the pouch is not fully used, it can be resealed tightly and stored in a dry place.

6. Additional Information:

1. Tiled floors can be walked on after 24 hours.
2. Mix only enough product for immediate use, as the mixture has a pot life of approximately 30 minutes.
3. During the drying process, the substrate must not be exposed to water.
4. Avoid using acidic tile cleaners.

7. Cleaning of the equipment after application:

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

8. 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.



ECO MORTAR

Technical Data Sheet

Effective Date: **November 25, 2024**

9. Expiration Period:

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