



# ECO MORTAR

## Technical Data Sheet

Effective Date: November 25, 2024

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## ECO-800 NON-SHRINK GROUT



#### 1. Product Description:

ECO-800 is a premixed cement for non-shrink gap filling (grouting) and concrete structure repair. It is based on cement, sand, and additives, and features high compressive strength, non-shrink properties, and good flowability.

#### 2. Features & Uses:

- Easy to use: The formula is designed for easy mixing with minimal lumps and is easy to apply on various surfaces.
- Strong & pressure-resistant: Has high compressive strength to robustly support structures.
- Non-shrink: Maintains a stable volume after drying, reducing the risk of cracks and damage.
- Good flowability: Able to flow and effectively fill narrow gaps, suitable for hard-to-reach areas.

#### 3. Specifications:

| Product                              | Standard Parameters    | Non-Shrink Grout   |
|--------------------------------------|------------------------|--|
| Product                              |                        | ECO-800  |
| Color                                | -                      | Grey   |
| Adhesive                             | -                      | Portland Cement  |
| Aggregate                            | -                      | Silica Sand  |
| Filler Material                      | -                      | Aggregate <0.85 mm   |
| Additives                            | -                      | Additional materials to improve workability, durability, and viscosity |
| Density                              | >1.6 kg/ L             | 2.23 kg/ L   |
| Application Thickness                | 30 mm                  | 30 mm  |
| Water Requirement                    | 5 L / 40 kg sack       | 5 L / 40 kg sack (trowel)  |
| Water Requirement                    | 6 L / 40 kg sack       | 6 L / 40 kg sack (slit filler)   |
| Compressive Strength (BS EN 1015-11) | >30 N/ mm <sup>2</sup> | 40.61 N/ mm <sup>2</sup> (K300 Specification)                          |
| Moisture Content (BS EN 1015-19)     | <1%                    | 0,30%  |
| Open Time                            | 30 minutes             | 30 minutes   |
| Spreadability                        | -                      | 21 L / 40 kg sack  |



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**Notes:**

20 kg sack ECO 800 + 5kg sack Coral for > 3 cm application

#### 4. Instructions for use:

##### Application Preparation

1. Clean the base's surface, removing debris and contaminants that could reduce mortar adhesion.
2. Dampen the substrate with water before application.

##### Mixing Water and Powder

Pour 6 liters of water into the mixing container for each sack of ECO – 800, then slowly add the ECO – 800 (40kg) powder.

##### Mixing Process

Stir the mixture with a hand mixer or trowel until it is smooth and even.

Note: for coral, use 5kg/20kg grouting.

##### Application Process

1. Use a suitable applicator tool, such as a tamper or a special grout applicator.
2. Fill the designated area with the Non-Shrink Grout, ensuring it spreads evenly.
3. Compact the grout into the filled area with a suitable tool.

#### 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.