

ENTEGRE

"Building Life"

POWERFIX®**Cement-Based High-Performance
Structural Repair Mortar**

TECHNICAL MORTARS

Areas of Use

Used for repairing cracked and worn concrete surfaces, beams, columns, foundations, retaining walls and step edges.

Advantages

- Easy to apply.
- Can be applied in thicknesses of up to 5-7 cm.
- Provides high strength.
- Suitable for interior and exterior applications.

Application

Surface Preparation

The application surface must be cleaned of substances such as form oil and paint. Loose particles and materials with poor adhesion must be removed from the surface. Rust on metal components must be removed, and contact between the metal and mortar must be prevented using an anti-corrosion coating. Application may begin after the surface has been dampened.

Mortar Preparation and Application

Pour the appropriate amount of water (3,75-4,25 L water / 25 kg bag) into the mixing container. Add the powder and mix using a hand mixer.

Allow the mortar to rest for 5 minutes, then remix until a homogeneous consistency is obtained.

Apply the prepared mortar at a thickness of 5-7 cm. If a greater thickness is required, ensure that the first coat has hardened before applying the second coat. For large-area applications, finish the surface using a finishing trowel.

Consumption

Approximately 17,0 kg/m² per 1 cm thickness.

Technical Values

Class	R3
Mortar Type	PCC
Bond Strength, N/mm ²	≥ 1,5
Compressive Strength, N/mm ²	≥ 25
Chloride Content, %	≤ 0,05
Restrained Shrinkage/Expansion, N/mm ²	≥ 1,5
Capillary Water Absorption, kg/m ² .h ^{0,5}	≤ 0,5
Reaction to Fire	A1

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Liability: Above stated data obtained in lab conditions. Entegre will not be liable for any defect in product occurring by reason of events or conditions not within its control such as misuse, mishandling, improper storage or improper installation. Entegre reserves the right to revise the information contained herein without prior notice.

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Packaging and Storage

- Supplied on pallets in 25 kg kraft bags.
- When stored unopened in its original packaging in a dry, frost-free environment, stacked no more than 8 bags high and without direct contact with the ground, the shelf life is 1 year from the date of manufacture. Once opened, the bag should be consumed within 1 week.
- Keep the packaging tightly closed when the product is not in use.

Warnings

- Do not add any foreign material (lime, cement, gypsum, etc.) to the prepared mortar.
- Mortar that has exceeded its working time must not be mixed with water or dry mortar and reused.
- To ensure the durability of the render, dampen the surface at regular intervals for 3 days after application, depending on weather conditions.
- Application is recommended at temperatures between +5 °C and +35 °C.
- In windy conditions, protect POWERFIX® against rapid drying.
- Do not apply to frozen surfaces.
- Do not apply under direct sunlight.

- Do not use outside the specified areas of application or contrary to the application instructions.
- Do not inhale directly. In case of contact with eyes, rinse thoroughly with plenty of water and seek medical advice if necessary.
- Request the product Safety Data Sheet for further information.
- Please consult us regarding all other application conditions and technical questions.

Certificate of Conformity



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