SELFFİX®

Cement-Based, Ready-to-Use, High-Performance Structural Grout

TECHNICAL MORTARS

Areas of Use

Used where manual application is not possible: on cracked and worn concrete surfaces and damaged concrete; for anchoring steel columns to foundations; installing precast concrete structural elements; securing all types of industrial machinery to the floor; and filling voids and cavities.

Advantages

- Provides high bond and compressive strength.
- Does not crack or shrink.
- Resistant to freeze-thaw cycles.
- Suitable for interior and exterior applications.
- Provides fast and excellent results.
- Its flowability enables application in areas where manual work is not possible.
- Does not segregate or bleed.
- Application thickness is 3-10 cm.

Application

Surface Preparation

The application surface must be cleaned of any residues that may prevent adhesion. 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. Absorbent surfaces must be saturated with water. Ensure that the formwork is thoroughly cleaned, watertight and securely fixed. Remove any standing water from the surface before application.

Mortar Preparation and Application

Slowly add the powder to the mixing water in a clean container (3,5-4,0 L water / 25 kg powder), mixing continuously with a low-speed hand mixer. After all the powder has been added, continue mixing for approximately 3-4 minutes until a homogeneous consistency is obtained. As the mortar sets quickly, use it within 10-15 minutes. Depending on the application, apply the prepared mortar using an injection pump or by self-levelling. The stated times may vary according to ambient and surface temperatures; the times become shorter at low temperatures and longer at high temperatures.

Consumption

Powder consumption per 1 cm: 1,9 kg/m^2.

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.

Hüseyinli Mah. Beykoz Cad. No: 222/4 Çekmeköy - İstanbul
+90 (0216) 434 50 96
export@entegreharc.com.tr

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Technical Values

Class	R4	
Mortar Type	PCC	
Bond Strength, N/mm^2	≥ 2	
Compressive Strength, N/mm^2	1 Day	28 Days
	≥ 20	≥ 45
Chloride Content, %	≤ 0,05	
Restrained Shrinkage/Expansion, N/mm^2	≥ 2	
Reaction to Fire	A1	

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 6 months 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 SELFFİX® 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.

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Certificate of Conformity

TS EN 1504-3 / April 2008 / Class R4

Public Works Item No: 10.300.2073

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