

eile SNS 804

Adherence Enhancing and Corrosion Preventive Mortar

Description

A cement-based, polymer-modified, containing silica fume, single-component mortar that ensures adhesion between old and new concrete and prevents corrosion of steel reinforcement.

Areas of Usage

- *Protects reinforcements against corrosion
- *In areas with time gaps between concrete pours.
- * As a primer on all surfaces where repair mortar will be used

Features of Product

- *High adhesion to concrete and steel.
- *It is mixed only with water and easy to apply.
- *Protects the reinforcement against moisture and prevents corrosion

Application Procedure

Surface Preparation

Steel surfaces

Steel surfaces should be cleaned of any residues such as oil, grease, and rust that may reduce adhesion. Sanding should be done to obtain a suitable surface. If the surface is oily or greasy, degreasers should be used.

Concrete surfaces

For cement-based surfaces to be repaired, they need to be durable, load bearing, dust-free, and clean. Any residues such as oil, rust, and paraffin that may weaken adhesion should be cleaned. The application surface should be saturated with water, but care should be taken to ensure that there is no free water on the surface during application.

Mixing

The appropriate amount of mixing water is poured into a clean mixing bucket. The material is slowly added to the mixing bucket. It is mixed with a low-speed mixer for about 3-4 minutes until a homogeneous mixture is obtained. After resting for about 4 minutes, the material is mixed again for 30 seconds and is ready for use.

Mixture ratios

For 20 kg sack: 4,0-5,0 l water

For 1 kg powder: 0,200-0,250 l water

Mixture density: 1,7-1,8 gr/ cm³

Application Method

As a Primer for Increased Adhesion: The prepared mortar is applied to the surface to be repaired with a brush, with a 1 mm thickness. Primer application should be done in 2 coats on surfaces with high absorption. Repair mortar application can begin approximately 30 minutes to 1 hour after application.

As corrosion preventive

eile SNS 804 is applied on the reinforcement surface with a brush. The application should create a thickness of approximately 2 mm in 2 coats. After the first coat has dried (approximately 3-4 hours), the second coat should be applied. The concrete surface and reinforcements can be covered with repair mortar after the material is completely dry, approximately 30 minutes to 1 hour after the second coat.

Consumption

For 1 mm thickness 1,4-1,5 kg/m²

Points to take into consideration

*eile SNS 804 should be used within 45 minutes at 20 °C.

* The temperature of the surface and environment affects the hydration reaction of the cement. Therefore, the ambient and surface temperatures should be within the permitted temperature range.

*The material should not be applied on surfaces that are frozen, thawing, or at risk of rain or frost within 24 hours.

Cleaning of the Tools

After application, the tools and equipment used should be cleaned with water. After the material is hardened, it can only be cleaned mechanically.

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Technical Specifications

Structure of the Material	Mineral Fillings and Polymer Reinforced Special Cement.
Colour	Grey
Compressive strength	> 25 N/mm ² (28 days)
Adherence Strength	>1,0 N/mm ² (28 days)
Temperature of application surface	+5 °C - +30 °C
Usage time	45 min. (+20 °C)
Full curing time	28 days (+20 °C)

* Typical values have been obtained as a result of experiments done at +23°C, 50% relative humidity, 4x4x16 cm mortar prism. The values may change due to the difference in site ambient. High temperatures shorten and low temperatures extend the durations.

Package

20 kg Kraft Bag

Storage: Unopened original packaging should be stored stacked up to a maximum of 10 layers in a cool and dry environment.

Shelf Life: Under the specified storage conditions and in unopened packaging, the shelf life is 12 months from the production date.

Safety Recommendations: Please wear the coveralls, protective gloves, glasses and mask suitable for occupational health and safety. Make sure that it does not contact the skin and the eyes; in case it does, wash with plenty of water. In case swallowed, contact the closest health care institution immediately. Keep out of the reach of children. Keep food and drinks away from the application areas.

Responsibility: In case the recommendations and application conditions specified above are not conformed, the applications (misuse) do not fall under the responsibility of **POMZA EXPORT A.Ş.**, the producer of **eile POMEX branded products**. The user is responsible for whether the product is used in accordance with its purpose, as well as the validity of application conditions and forms. **eile Pomex Construction Chemicals** does not accept any indemnity claim concerning the results, work accidents, direct or indirect damages or losses due to the misapplication of the products.

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