

# eile SNS 804

## Adherence Augmenter and Corrosion Preventive Mortar

### Description

It's a mortar which is cement based, polymer modified, contains silica fume, unifactorial, providing adherence between old and new concrete, preventing corrosion of iron reinforcement.

**Ministry of Environment and Urban Planning Pos No: 04.613/8A**

### Areas of Usage

\*Protects reinforcements against corrosion,

\*For time differences between concreting,

\*It's used as primer on all surfaces which repair mortar is used.

### Features of Product

\*High adherence to concrete and steel.

\*It's only mixed with water and easy to apply.

\*It protects reinforcement against moisture and prevents corrosion.

### Application Procedure

#### Surface Preparation

##### Steel surfaces

The steel surfaces should be cleaned from any kind of oil, grease and rust residues. It should be sanded and a smooth surface should be obtained. If the surface is oily or greasy, use oil removers.

##### Concrete surfaces

The cement based surfaces should be durable, free from dust, carrying and clean. Residues such as oil, grease and paraffin which may reduce adherence should be cleaned. The surface should be saturated with water and there should be no free water on the surface during application.

### Mixing

Recommended amount of water is poured into a clean bucket. Material is added into the bucket. It's mixed for 3-4 minutes with a low speed mixer until it gets homogenous mixture. It's allowed to stand for 4 minutes. And then it's mixed again for 30 seconds and the material is ready to use.

### Mixture ratios

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

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

Mixture density: 1,7-1,8 gr/ cm<sup>3</sup>

### Application Method

#### As Adherence Augmenter Prime

The mortar is applied on the repair surface with a 1 mm thickness. Prime application should be done as 2 coats on surfaces with high absorbing capacity. After 30 minutes or 1 hour, repair mortar is applied.

#### As corrosion preventive

**eile SNS 804** is applied on the reinforcement surface with a brush. The application should have a 2 mm thickness for 2 coats. After the first coat is dried (approx. 3-4 hours) the second coat application should be done. Before the second coat is completely dried, after 30 minutes or 1 hour, concrete surfaces and reinforcements are covered with repair mortar.

### Consumption

For 1 mm thickness 1,4-1,5 kg/m<sup>2</sup>

### Points to take into consideration

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

\* The ambient and floor temperature should be within below mentioned values since application floor and ambient influence hydration reaction of the cement.

**Material;** No application is done in frozen, melting and very windy ambient.

### 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

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

## Storage

It should be stored in unopened original package in a cool and dry place and stack maximum 10 packages on top of each other.

## Shelf Life

Shelf life is 12 months from production date in storage conditions

**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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