

# eile GROUT 100 C

## High Strength Grout Mortar

### Definition

It is a cement based, single component, non-shrinking, flowable and pumpable, high initial and last strength grout mortar.

### Areas of Use

It is used to securely attach wind turbine towers to concrete foundations exposed to dynamic loads.

### Product Features

- \*It is pumpable.
- \*Attains rapid strength.
- \*Has high fluidity.
- \*It provides strong adhesion to concrete and reinforcement.
- \*It does not shrink.

### Application Procedure

#### Preparation of Surface

Care should be taken to ensure that the cement-based surface solid, dust-free, load-bearing, and clean. Any residues such as oil, grease, and paraffin that may weaken adhesion should be removed. Bolt holes must be free from any dirt or debris. The surface should be saturated with water, and there should be no free water during application. The mold must be leakproof.

### Mixing

For best results, use a mechanically operated mortar mixer. Place the specified amount of water into the mixer and slowly add the product, continuously mixing for 3-4 minutes until a homogeneous consistency is achieved.

### Mixture Ratios

For a Bag of 25 kg: 3,375-3,625 liters of water

For 1kg of powder product: 0,135-0,145 liters of water

Mixture density: 2,0-2,2 g/ cm<sup>3</sup>

### Application Method

The ready-to-use material can be poured onto the surface up to a thickness of 150 mm. Pouring from one side is sufficient to eliminate air pockets.

### Consumption

17,5-20 kg/m<sup>2</sup> for 10 mm thickness

**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

### Important Points

\*Especially in outdoor environments, particularly in hot, dry, or windy conditions, the application should be protected against rapid evaporation for 24-48 hours.

\*The temperature of the substrate and ambient environment should be within the permitted range, as it affects the hydration reaction of the cement.

\*No foreign material should be added to the prepared mixture.

\*Vibrators should not be used during material placement.

\*The application should be done in a thickness ranging from a minimum of 10 mm to a maximum of 150 mm. For thicker applications, clean aggregate can be added to the grout mix for a single-layer application.

### Cleaning of Tools

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

### Packaging

25 kg kraft bag

### Technical Specifications:

<b>Structure of the Material:</b>	Contains Mineral Fillers and Polymer Reinforced Special Cement.
<b>Color</b>	Grey
<b>Compressive strength</b>	>55 N/mm <sup>2</sup> ( 1 day) >80N/mm <sup>2</sup> ( 7 days) >100N/mm <sup>2</sup> ( 28 days)
<b>Bending resistance</b>	>8 N/mm <sup>2</sup> ( 1 day) >14 N/mm <sup>2</sup> ( 7 days) >16 N/mm <sup>2</sup> ( 28 days)
<b>Application Thickness</b>	min. 10 mm max. 150 mm
<b>Propagation</b>	> 25 cm
<b>The temperature of the ground to which the capillary water absorption is applied</b>	< 0,7 kg/m <sup>2</sup> h <sup>-0,5</sup>
<b>Bonding strength to concrete</b>	+5 °C - +30 °C > 2 N/mm <sup>2</sup>

**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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