



## Fast Setting Fluid Grout Mortar

### Product Description

It is a cement based, fast setting, high fluidity, resistant to climatic conditions, non-shrinking, waterproof fluid grout mortar.

### Areas of Use

- Concrete surfaces where quick results are required,
- In repairs, foundations in beam column cracks,
- Retaining walls, step edges, PVC assembly, door assembly, manhole covers, balcony fractures,
- Repair of runways and platforms,
- Repair of concrete floors exposed to traffic and vehicles,
- It is used in the repair of curbs and paving stones.

### Application Surfaces

#### Indoor and outdoor floors;

- Cement based screed,
- Concrete flooring,
- Prefabricated concrete.
- Consult us for other application surfaces.

### Advantages

- It provides high adherence and durability shortly after application.
- It is highly fluid and does not self-settle and shrink.
- Setting up in 5 minutes and you can open it to traffic after 30 minutes.

### Preparation of the Surface

- The floor surface to be applied must be clean and free from dirt, dust and weak particles.
- The mold to be applied must be fixed, sealed and cleaned very well.



- If the application is to be done on old concrete, the surface must be moistened before application.
- Small puddles should be avoided. Since the material will be set fast, enough material must be prepared to be applied.

### Preparation of Mortar

- 25 kg of Fast Setting Fluid Grout Mortar about 4.5 lt of clean water should be added.
- Mixture water should be in the range of 20-25°C.
- Newkim Fast Setting Fluid Grout Mortar should be mixed with a low speed hand mixer for about 1-2 minutes until it reaches a homogenous consistency.
- Extra water should not be added to the hardening mortar.
- It should be taken into consideration that the setting time will be reduced at high temperatures.
- Pre-prepared coarse Newkim Fluid Grout Mortar should be poured and used.

### Application Requirements

- The surface and ambient temperature should be between +5°C and +35°C.
- Avoid application under strong wind or sun. It should not be applied on surfaces that are frozen, melting or that are in danger of frost within 24 hours.
- The specified periods are valid at 23 °C surface and ambient temperature, time is prolonged at low temperature, time is shortened at high temperature.

### Application Tools

- Hand mixer, Steel trowel, spatula

### Warnings and Recommendations

- After application, tools should be cleaned with water while the material is in fresh condition.
- The packaged product should not be stored in humid environments.

### Technical Information

Technical Information is relative to 55% ( $\pm 5$  °C) relative humidity environment at 23 °C ( $\pm 2$  °C).

|                       |                                                |
|-----------------------|------------------------------------------------|
| Appearance            | Grey Granulated Powder                         |
| Powder Density        | 1.6 g/ml ( $\pm 0.1$ )                         |
| Water Mixture Ratio   | about 4.5 lt. water / 25 kg. Powder            |
| Pot Life              | Maximum 5 minutes                              |
| Time to Use           | Min. 30 minutes                                |
| Application Thickness | Min. 5 mm                                      |
| Adhesion Strength     | 2 N/mm <sup>2</sup> (28 days later)            |
| Pressure Strength     | $\geq 15$ N /mm <sup>2</sup> (1 hour later)    |
|                       | $\geq 28$ N /mm <sup>2</sup> (24 hours later)  |
|                       | $\geq 45$ N/mm <sup>2</sup> (7 days later)     |
|                       | $\geq 60$ N/mm <sup>2</sup> (28 days later)    |
| Bending Resistance    | $\geq 4,5$ N/mm <sup>2</sup> (24 hours later)  |
|                       | $\geq 7,5$ N/mm <sup>2</sup> (2828 days later) |



#### Consumption

17-18 kg / m<sup>2</sup> for 1 cm thickness



#### Packaging

25 kg. Kraft Bag



#### Shelf Life

12 months from the date of production in drought and dry environments



#### Color

Gray