



## Anchor Fixing and Fluid Grout Mortar

### Product Description

It is a cement based, self-leveling Anchorage and Fixing and Fluid Grout mortar used for fixing machines.

### Areas of Use

- Anchoring of machine feet,
- In repairs requiring early and high strength, In high bearing capacities and bearing elements of the carrier,
- In fixing traffic lights, signs and road poles, bridge parapets and safety anchors in road and bridge connections, placing sewer and channel plates,
- Filling the connection and bearing circles,
- It uses in the construction of steel structures, where concrete and steel converge,
- Repairing concrete floors exposed to vehicle and pedestrian traffic,
- For raising manhole and manhole covers,
- It is applied in the fixing of curbside and paving stones.

### Application Surfaces

#### Indoor and outdoor floors;

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

### Advantages

- It shows high adherence and durability shortly after application.
- It is highly fluid and does not self-set and shrink.
- It provides resistance against abrasion and impacts on concrete surfaces and joint edges.
- It reaches high pressure and bending strength values in a short time.



### 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. Enough material should be prepared to be used considering the working time.

### Preparation of Mortar

- 25 kg Newkim Anchor Fixing and Fluid Grout Mortar should be poured into the container with an average of 5 liters of clean water
- slowly and mixed for about 1-3 minutes with
- a low speed hand mixer until it reaches a homogenous consistency. Water should not be added to the hardening mortar.
- The grout in the fluid structure must be poured continuously from one side of the mold that is already prepared.
- Air compression in the mixture should be avoided.
- To ensure that all gaps in the mold are filled, placement must be done using a steel wire with a hooked end.

### Application Details

- Wide surfaces open to external weather conditions should be protected from sunlight and wind by covering them with a cloth for 48 hours.
- Enough material should be prepared to be used considering the working time.
- The vibrator should not be used. The specified periods are valid at 20 °C surface and ambient temperature, time is prolonged at low temperature, time is shortened at high temperature.
- After application, the surface should be moistened for 2-3 days.

### 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.

### Application Tools

Hand mixer, iron trowel.

### Warnings & Suggestions

- No materials (lime, cement, gypsum, etc.) should be added to the prepared mortar.
- Expired mortars should not be mixed with water or dry mortar and used again.
- Application should not be made on very hot or frozen surfaces that have been exposed to the sun for a long time.
- It cannot be applied on wood coatings, metal coatings and moisture-exposed surfaces.
- Do not go beyond the specified application surface and instructions for use.
- Do not breathe, wash with plenty of water in contact with eyes, seek medical advice if necessary.
- Since it is a cement-based material, gloves should be used during application.
- 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	Fine Grey Powder
Powder Density	1600 $\pm$ 100 Kg./m <sup>3</sup>
Water Mixture Ratio	5-5. 5 lt. water / 25 kg.
Pot Life	Powder maximum 15 minutes
Time to Use	6 hours later
Application Time (Pot Life)	10-15 min.
Application Thickness	Min. 5 mm, Max. 40 mm
Waiting Time Between Coats	1 hour
Full Curing Time	28 days (+20°C)
Wet Unit Weight Adhesion	2000 $\pm$ 100 Kg./m <sup>3</sup>
Strength Compressive	> 1,4 N/mm <sup>2</sup> (28 days)
Strength Bending Strength	> 40 N/mm <sup>2</sup> (28 days)
Flexural Strength	> 10 N/mm <sup>2</sup> (28 days)

