



## Flex Mortar Granite Adhesive Mortar

### Product Description

It is a one component granite marble, ceramic special adhesive mortar with cement based, high polymer added, very strong adhesive strength. **(C2 TES2)**

### Areas of Use

- On indoor and outdoor, horizontal and vertical surfaces,
- In flooring and adhesion of large size floor and wall ceramics, granite, granite ceramic, marble, clinker and all kinds of natural stone coating,
- In places such as workplaces, shopping centers, schools, hospitals that are exposed to heavy and pedestrian traffic,
- In under-heated systems,
- For ceramic coating on old granite and marble,

### Application Surfaces

#### Interior wall;

- Cement-based plaster,
- Interior and exterior floor primed with gross concrete lining;
- cement-based screed,
- Concrete flooring.

### Advantages

- It provides very flexible and strong adhesion.
- It is resistant to water and frost.
- It is not affected by heat changes.
- It is resistant to high heat and cold.
- It provides high stability.
- It does not sag in vertical applications.

### Preparation of the Surface

- The application surface should be cleaned from dust, oil, paint and other chemicals and loose parts.



- Surface defects should be corrected 24 hours in advance with Newkim Repair Mortar.
- All mineral-based absorbent surfaces should be wetted before application and should remain moist.
- In cases where the surface absorbency is high, application should be made after Newkim Liquid Primer is drawn to the surface.

### Preparation of Mortar

- 25 kg Newkim Flex Mortar Granite Adhesive Mortar is poured into 6-7 liters of clean water and mixed with a low speed mixer until a homogeneous mixture is obtained.
- The mortar is left to rest for 5 minutes and mixed again.

### Application Details

- The mortar is applied on the surface by pulling in one direction with a toothed steel trowel.
- The tooth size of the trowel should be determined according to the size of the granite to be laid and the smoothness of the surface to be applied.
- Granites are adhered to the mortar surface within 20 minutes.
- Force is applied with the help of a rubber hammer to ensure full contact of the mortar to the granite. Care should be taken to leave the desired joint spacing between granites.
- The joint filling process can be started at least 48 hours after the adhesive application.

- It is ideal for coating materials such as ceramics, tiles, tiles, granite, 40 x 40 cm and larger.
- Double-sided application is recommended for larger sizes.

### Application Limit

- It cannot be applied on wood surfaces, metal surfaces, painted and damp surfaces.
- Do not go beyond the specified application surface and instructions for use.

### Application Requirements

- The ambient temperature should be between +5 °C and +35 °C.
- Application in very humid and / or very hot weather should be avoided.
- It should not be applied on surfaces that are frozen, melting or in danger of rain or frost within 24 hours.

### Application Tools

Hand mixer, Steel trowel, Rubber Hammer

### 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.
- 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 cement based material, gloves should be used during application.
- The packaged product should not be stored in humid environments.

Consumption Detail	Comb Tooth Width	Consumption (Amount of Powder)	Consumption (Amount of Mortar)
1 m <sup>2</sup>	4x4x4	1.2 - 1.3 kg./m <sup>2</sup>	1.7 - 1.8 kg./m <sup>2</sup>
1 m <sup>2</sup>	6x6x6	1.7 - 1.9 kg./m <sup>2</sup>	2.3 - 2.5 kg./m <sup>2</sup>
1 m <sup>2</sup>	8x8x8	2.4 - 2.6 kg./m <sup>2</sup>	3.2 - 3.5 kg./m <sup>2</sup>

### Technical Data

Relative humidity environment of 55% (± 5 ° C) at 23 ° C (± 2 ° C). Bilgiler; 23°C

Appearance	White and Gray Fine Powder
Powder Density	1.65 kg. / Lt. (±0.1)
Water Mixing Rate	6-7 Lt. water / 25 kg. Powder
Resting Time	5-10 minutes
Pot Life	1.5-2 hours
Extended Open Hold Time	Min. After 30 minutes
Pull Adhesion Force	≤0.5 N / mm <sup>2</sup> (EN 1346)
Application Temperature	Between + 5 °C and + 35 °C
Adhesion Force (28 days EN 1348)	≥1 N/mm <sup>2</sup>
Slip	≤0.5 mm (EN 1308)
Transverse Shape Changing	≥2.5 mm and ≥5 mm (EN 12002)
Walking Time On	Min. 24 hours
Fire Response Class	A1

