



## Flex Granite Ceramic Adhesive Mortar

### Product Description

Polymer added Elastic granite ceramic adhesive mortar with reduced slip, open hold time extended and improved with additional features. (C2 TES1)

### Areas of Use

- On horizontal and vertical surfaces,
- In the laying of large size floor and wall ceramics, granite, granite ceramic, marble, clinker, all kinds of natural stone and travertine coatings,
- In workplaces exposed to heavy traffic, shopping malls, schools, hospitals, under-floor heating systems, ceramic coatings on old granite and marble.

### Application Surfaces

#### Indoor wall;

- Cement-based plaster,
- Gross concrete,
- Gypsum plaster and gypsum panel, (Newkim Acrylic Primer applied)
- Old ceramic coating, (Newkim Newsera applied)

#### Indoor floor;

- Cement based screed,
- Concrete floor,
- Old ceramic coating

#### Outdoor floor and wall;

- Cement based screed,
- Gross concrete, Outdoor wall.

### Advantages

- It provides very flexible and strong adhesion.
- It is resistant to water and frost.
- It is resistant to high heat and cold.

### Preparation of the Surface

- Very porous surfaces should be wetted and



waited until the water layer disappears so that the surface remains moist.

- Any significant defects or holes in the surface should be repaired with a Thick Repair Mortar at least 24 hours prior to application of Granite Ceramic Adhesive Mortar.
- Regional repairs under 7 mm can be made using a Granite Ceramic Adhesive Mortar.
- The mortar should be applied to the surface and its thickness should be adjusted with a threaded steel trowel.
- The tooth size of the trowel should be determined according to the size of the ceramic to be laid and the smoothness of the surface to be applied.
- For large size ceramics, mortar should be applied both on the surface to be applied and on the back of the ceramic. (Double-side adhesion).
- All outdoor, floor and wall applications.

### Preparation of Mortar

- Average 6-7 liters of water and 25 kg Flex Granite Ceramic Adhesive Mortar should be mixed with a low speed mixer or trowel so that no lumps remain.
- After resting the Flex Granite Ceramic Adhesive Mortar for 5 minutes, it should be mixed again for 1-2 minutes before application.
- The mortar should be applied to the surface and its thickness should be adjusted with a threaded steel trowel.
- The tooth size of the trowel should be determined according to the size of the ceramic to be laid and the smoothness of the surface to be applied.

### Application Limit

- It is not applied on metal surfaces.

### Application Requirements

- Ambient temperature is between +5 °C and +35 °C.
- It should not be applied on surfaces that are in danger of frost within 24 hours.
- It should not be applied under direct sun, strong wind or on hot surfaces.
- During application, it should be paid attention that Newkim Flex Granit Ceramic Adhesive Mortar does not form flm on the surface, if flm has formed, that part should be combed again.

### Application Tools

Hand mixer, trowel, rubber hammer, toothed steel trowel.

### Warnings and Recommendations

- Newkim Silicone Flex Joint Filler should be used in joint application.
- Foreign materials must not be added.
- After application, all tools used should be washed with water before drying

### Technical Information

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

Appearance	White and Gray Fine Powder
Powder Density	1.65 kg. / Lt. ( $\pm 0.15$ )
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 Pull	Max. After 30 minutes
Adhesion Force	$\geq 0.5$ N / mm <sup>2</sup> (EN 1346)
Application Temperature	Between + 5 °C and + 35 °C
Adhesion Force (28 days EN 1348)	$\geq 1$ N/mm <sup>2</sup>
Slip	$\leq 0.5$ mm (EN 1308)
Transverse Shape Changing	$\geq 2.5$ mm and $> 5$ mm (EN 12002)
Walking Time On	Min. 24 hours
Fire Response Class	A1



**Consumption**  
3-5 kg / m<sup>2</sup>



**Packaging**  
25 kg. Kraft bag.



**Shelf Life**  
1 year from the date of production in  
drought and dry environments



**Color**  
White  
Gray