# FUTAR

## Installation and Maintenance Guidelines

Natural Stones

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## Installation Guidelines

Natural Stones

### Installation

1 Initial Installation

2 Substrate Preparation

3 Stone Tile Installation

### Equipments and Tools

- Mixing equipment
  - mechanical mixer with stirring paddle
- Weighing equipment
  - volumentric measuring container / jar
- Clean mixing
  - bucket / container
- Application tools
  - notched towel, etc.

### Adhesives to use

1. KERABOND T+ ISOLASTIC ( C2r S2)
2. ELASTORAPID
3. GRANIRAPID

### Tile Grout

1. Mapei's Keracolor SF

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### SAFETY PRECAUTIONS

▪ Adhesives contain cementitious components that when in contact with sweat or other body fluids may cause alkaline irritant reactions and allergic reactions to those predisposed.

▪ For further and complete information about the safe use of the products, please refer to us before use.

### Stone Installation

- Mix the adhesive mortar following the recommended mix ratio. Pour the liquid in a clean mixing bucket and slowly add the powder and mix with a low speed mechanical mixer, moving in a circular motion until a unifrom paste consistency is obtained without any trace of lumps.
- Clean the surface with a damp sponge. Use the straight edge of the notched trowel to spread a thin coat of the adhesive mix onto the substrate to cover it completely. Immediately after, using the notched part of the trowel apply and comb more adhesive to achieve the necessary adhesive thickness.
- Do not spread adhesive than can be covered with the stone before the surface of the adhesive begins to dry to form a skin.
- Spread a lean scratch coat of the adhesive onto the back of the stone using the straight edge of the trowel to cover it completely.
- Before placing the stone, ensure the adhesive has not formed a “skin”, otherwise re-notch it. Then place the stone onto the adhesivewith a firm pressure and beat down for good contact and compaction. Ensure that the trowel lines are flattened and well compacted.
- Adjust the tile within 15-20 minutes to achieve a regular and even joint spacing. No butt joints should be permitted. Where movement joint exists, ensure that the joints are duly aligned with it.
- Remove any excess adhesive from the joints so that at least 2/3 of their depth is available for grouting. Remove any adhesive from surface with a damp sponge immediately after the final adjustment.
- Allow the adhesive to set at least 3 hours before grouting the joints at least 3 hrs when using fast-setting adhesive, at least 24 hrs when using normal-setting adhesives.

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# Installation Guidelines

**Initial Preparation**
Inspection of the area
Allocation of the amount of Material
Preparation of the tools and equipment

**Substrate Preparation**
Ensuring substrate is stable and strong
Cured mortar substances for at least 1 week
Gypsum substrates must be dry, hard and be treated

**Choosing Adhesives**
Futar is using
Mapei's Adhesives

**Tile Installation**

**IMPORTANT NOTES:** Technical details and recommendation contained in this method statement correspond to the best of our knowledge and experience. Above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical applications. For this reason, anyone who intends to use the products must ensure beforehand that it is suitable for the intented application. In every case, the user alone is fully responsible for any consequences deriving from the use of the products.

FUTAR

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**The Future of Natural Stones™**