

## **PERMAFIX® TILE ADHESIVE**

### **Product**

Tile Adhesive for indoor and outdoor floor tiling and cladding jobs.

### **Composition**

Product based on high resistance cement, selected aggregates and additives which contribute to good workability and excellent bonding.

### **Features and applications**

- To be applied indoors and outdoors.
- Suitable for ceramic tiles with a medium-high absorption rate.
- No need to wet tiles or substrates thanks to its high water-retaining capacity.
- Non slip. Excellent initial adherence.
- Long open time. Allows rectification.
- Great fineness and plasticity.

### **Substrates**

- Conventional cement-based substrates.
- Substrates must be resistant, stable, sound and clean, free of dust, demolding agents, organic products, etc.
- All substrates must have the appropriate flatness. Otherwise, smooth down up to 5 mm with the same product 48 hours prior to bonding.
- For greater thickness, use Mortar Mix® dry mortar for leveling.
- In case of hot or windy weather conditions or when applying over absorbent substrates, it is advisable to wet the substrate and wait till the thin layer of water disappears.
- Do not apply on clay or on paint.

### **Instructions for use**

- Add water and mix by hand or mechanically until it takes on an even and workable consistency.
- Let the mixture stand for 5 minutes and remix.
- Spread the mixed product on the substrate with a trowel to a maximum surface area of 2m<sup>2</sup>.
- Spread with a notched trowel to adjust thickness (see chart).
- Lay the tiles, press and make small rotation movements to ensure that the glue gets in total contact with both surfaces.
- Observe construction joints (expansion, contraction, fraction, perimeter corner joints) and the joints between the cement slabs (minimum 2mm).
- Joints should be grouted 24 hours after if on vertical surfaces, and 48 hours after if on floorings.
- Use Permafix® Grout (white or coloured) for all the joints.

**NOTE:** For better results lay tiles as soon as possible after spreading the PERMAFIX® tile adhesive.

## Notched-Trowel Panel

<u>TILE FORMAT</u>	<u>NOTCHED TROWEL</u>	<u>BONDING</u>
< 100 cm <sup>2</sup>	U4 (4 x 4 x 4)	Simple
< 450 cm <sup>2</sup>	U6 (6 x 6 x 6)	Simple
< 900 cm <sup>2</sup>	U6 (6 x 6 x 6) / U9 (9 x 9 x 9) ó n10	Double-Simple
> 900 cm <sup>2</sup>	U9 (9 x 9 x 9) ó n10	Double

## Cautions and recommendations

- Do not apply below 5°C nor above 30°C.
- Do not apply when there is a risk of frost, rain, strong wind or direct sunlight.
- Do not apply in areas where water may accumulate.
- Under extreme weather conditions (gusty winds or high temperatures) drying may occur faster.
- On floor areas larger than 30 m<sup>2</sup>, leave partition joints to be filled with a flexible material.
- On interior floorings larger than 15 m<sup>2</sup>, it is advisable to keep a free perimeter expansion joint between the floor and the wall or pillar, hidden by a baseboard.

## Technical data

(Statistical data obtained under standard conditions)

Aspect	GREY powder
Apparent density of powder	1.6 ± 0.2 g/cm <sup>3</sup>
Density of mixed product	1.8 ± 0.2 g/cm <sup>3</sup>
Adjustment time	Approx. 20 min. (depending on weather conditions)
Paste shelf life	Approx. 2 hours (depending on weather conditions)
Initial tensile adhesion strength	> 0.5 N/mm <sup>2</sup>
Tensile adhesion strength after water immersion	> 0.5 N/mm <sup>2</sup>
Approximate yield	4kg/m <sup>2</sup>

## Packaging

20 kg plastic lined paper bags.

Shelf life: 1 year in sealed original packaging, sheltered from weather conditions and humidity.

## Note

Instructions of use are given based on our testing and knowledge and do not imply any commitment. Said instructions do not free the user from examining and verifying the product for its correct use. The manufacturer's liability is limited to the value of the used goods.