



# PF Premiofix

**One-component cement-based adhesive for the installation of single and double fired ceramic. For indoor and outdoor use.**



### Fields of application:

- to apply single or double fired floor tiles indoors on cured screeds based screeds;
- to apply single or double fired floor tiles outdoors on cured cement-based screeds;

### Characteristics:

**PF Premiofix** is a one-component cement-based adhesive with standard setting, classified C1 according to norm EN 12004. Portland binders, synthetic polymers and micronized cellulose, gives the adhesive an open time of 20 minutes, making it ready for walk over after 24 hours and ready for use in 14 days, guaranteeing easy and safe installation of single or double fired floor and wall tiling. Indicated for indoor and outdoor civil, commercial and industrial applications.

### Quality and Environmental Standards:

PF Premiofix undergoes constant, careful testing at our laboratories, in compliance with the legislation in force UNI EN ISO 9001/2015.

- to apply single or double fired wall tiles indoors on traditional and pre-mixed renders;
- professional use only.

### Application:

**PF Premiofix** must be mixed with 6 l of water every 25 kg bag with a low speed stirrer, till getting a smooth mixture free of lumps. Do not add other hydraulic binders or aggregates. Check that the substrate complies with norm EN 11493 point 7.3 as for the requirements of curing, integrity, surface sturdiness, dimensional regularity, residual humidity and rising damp. In very absorbing substrates, gypsum, anhydrite or with minor crumbling pre-treat with **Primer GS**. Apply PF Premiofix creating an adhesive layer of max. 10 mm, so as to coat the tile back side completely. Follow the norm EN 11493 point 7.9/7.11 for outdoor applications, in sizes with side  $\geq 60$  cm and in low thickness tiles. Apply a layer of adhesive on the tile back side (backbuttering) in case of strong stresses or when required by the ceramic manufacturer. Create elastic expansion joints every 10 m<sup>2</sup> outdoors and every 25 m<sup>2</sup> indoors, every 4 m in sidewalks and skirting boards. The materials applied with **PF Premiofix** must be protected from the rain during the 24 hours following laying and must not be exposed to freezing temperatures for the first 5 days.

<b>CE</b>	
Opera Srl Via degli Scavi 19/21 47122 Forlì - Italy	
<b>DOP-IT-01-020</b> <b>PF PREMIOFIX GRIGIO</b> <b>EN 12004:2007+A1:2012</b>	
<small>Standard cement-based adhesive for the installation of floor and wall ceramic tiles, for indoor and outdoor application</small>	
<small>Fire reaction</small>	<small>Class A1/A1/FI</small>
<small>Adhesion strength:</small>	
<small>- Initial tensile adhesion</small>	<small><math>\geq 0,5</math> N/mm<sup>2</sup></small>
<small>Durability:</small>	
<small>- Tensile adhesion after thermal ageing</small>	<small><math>\geq 0,5</math> N/mm<sup>2</sup></small>
<small>- Tensile adhesion after immersion in water</small>	<small><math>\geq 0,5</math> N/mm<sup>2</sup></small>
<small>- Tensile adhesion after frost-thaw cycles</small>	<small><math>\geq 0,5</math> N/mm<sup>2</sup></small>
<small>Release of harmful substances</small>	<small>See Safety data sheet</small>

### Characteristics

One-component  
Mixture water: 23-26% in weight  
Open time: 20 minutes  
Adjustment time: 45 minutes  
Waiting time for wall joint grouting: 3/6 hours  
Waiting time for floor joint grouting: 24 hours  
Walk over time: 24 hours  
Highly wettable  
Ready for use: 14 days

### Application methods

Smooth or toothed trowel

### Consumption

2.5-5 kg /m<sup>2</sup>

### Storage

Shelf life of 12 months in the original packages and in a dry place

Code	Product	Form and color	Packages	Pallet
101001	PF Premiofix	Grey powder	25 kg	1500 kg
101002	PF Premiofix	Total White powder	25 kg	1500 kg

### Warning

- do not use for laying non-absorbent tiles, such as porcelain stoneware;
- do not use for laying glass mosaic tiles;
- do not use on heated screeds;
- do not use on prefabricated or cast-in-situ concrete constructions;
- on gypsum or anhydrite bases, use Primer GS beforehand;
- do not use where an adhesive layer over 5 mm thick is necessary;
- do not use on surfaces which need to be treadable in a short space of time;
- do not apply to wood, iron or rubber.



### Technical and application specifications

Hazard classification as per Directive 99/45/CE:	<b>grey: irritant - white: none</b>
Mixing water:	<b>23-25% (weight) (i.e. approx. 6 l per 25 kg bag)</b>
Specific weight of mixture:	<b>1.40 g/cm<sup>3</sup></b>
Mixture pH:	<b>over 12</b>
Pot life:	<b>6/8 hours</b>
Application temperature:	<b>from +5°C to +35°C</b>
Open time (according EN 1346):	<b>approx. 20 minutes</b>
Handing time:	<b>approx. 45 minutes</b>
Joint sealant hardening time on walls:	<b>approx. 3/6 hours</b>
Joint sealant hardening time on floors:	<b>approx. 24 hours</b>
Walk-over time:	<b>24 hours</b>
Ready for use:	<b>14 days</b>

### FINAL PERFORMANCES SPECIFICATIONS EN 1348 (N/mm<sup>2</sup>)

Initial adhesion (after 28 days):	<b>1.00 N/mm<sup>2</sup></b>
Adhesion after immersion in water:	<b>0.70 N/mm<sup>2</sup></b>
Adhesion after freeze-thaw cycles:	<b>0.80 N/mm<sup>2</sup></b>
Adhesion after heat action:	<b>0.60 N/mm<sup>2</sup></b>
Acid resistance:	<b>poor</b>
Resistance to damp, solvents, oil, ageing and alkalis:	<b>excellent</b>
Temperature resistance:	<b>from -30°C to +90°C</b>
Deformability	<b>none</b>
Harmonised customs code:	<b>38245090</b>

Measurement of data at 23°C/50% Residual Humidity and no ventilation. The data may be considerably modified by the conditions of use.