

CF Cemenfix

One-component cement-based adhesive for indoor and outdoor installation of single and double fired materials on cement-based substrates.



Fields of application:

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

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

Characteristics:

CF Cemenfix is a one-component cement-based adhesive with standard setting, classified C1 according to norm EN 12004. The formula of **CF Cemenfix**, made up of selected aggregates, 52.5 Portland binders and synthetic polymers, 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.

Preparation:

the base must be flat, sound, and compact, have no parts coming away, and be free of dust, grease, oil, paint, and wax; it must also be dry and well established. Provide the laying surface with protection from direct sunlight beforehand. When the temperature is above +25°C, we recommend you dampen laying bases with low absorbency beforehand to prevent non-standard drying of the adhesive.

Application:

CF Cemenfix 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 **CF Cemenfix** 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 ≥ 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 m² outdoors and every 25 m² indoors, every 4 m in sidewalks and skirting boards. The material applied with CF Cemenfix 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.

Quality and Environmental Standards:

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

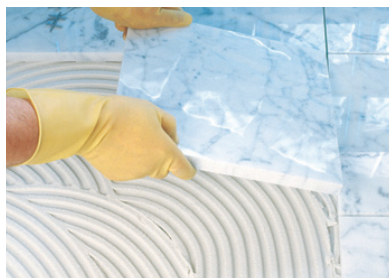
	Opera Srl Via degli Scavi 19/21 47122 Forlì - Italy
DOP-IT-01-002 CF CEMENTIFIX GRIGIO EN 12004:2007+A1:2012 Standard cement-based adhesive for the installation of floor and wall ceramic tiles, for indoor and outdoor application	
Fire reaction:	Class A1/A1 fl
Adhesion strength:	
- Initial tensile adhesion	≥0,5 N/mm²
Durability:	
- Tensile adhesion after thermal ageing	≥0,5 N/mm²
- Tensile adhesion after immersion in water	≥0,5 N/mm²
- Tensile adhesion after frost-thaw cycles	≥0,5 N/mm²
Release of harmful substances:	See Safety data sheet

Characteristics	Application methods	Consumption
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 Ready for use: 14 days	Smooth or toothed trowel	2.5-5 kg/m ² Storage Shelf life of 12 months in the original packages and in a dry place

Code	Product	Form and Color	Packages	Pallet
101005	CF Cemenfix	Grey powder	25 kg	1500 kg
101010	CF Cemenfix	Total white powder	25 kg	1500 kg

Warning

- Do not use for laying non-absorbent and large-size tiles;
- do not use for laying glass mosaic tiles;
- do not use on heated screeds;
- do not use on prefabricated or cast-insitu concrete constructions;
- on gypsum or anhydrite and extremely absorbent bases, use **Primer GS** beforehand;
- on powdery bases, apply **Idrorep Indurente** beforehand;
- • for outdoor laying, mix **CF Cemenfix** with **Isoflex**;
- 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:	grey: irritant - white: none
Mixing water:	23-25% (weight) - i.e. approx 6 l per 25 kg bag
Specific weight of mixture:	1.40 g/cm³
Mixture pH:	over 12
Pot life:	6/8 hours
Application temperature:	from +5°C to +35°C
Open time (according EN 1346):	approx. 20 minutes
Handing time:	approx. 45 minutes
Joint sealant hardening time on walls:	approx. 3/6 hours (depending on the absorption)
Joint sealant hardening time on floors:	approx. 24 hours
Walk-over time:	24 hours
Ready for use:	approx. 14 days

FINAL PERFORMANCES SPECIFICATIONS EN 1348 (N/mm²)

Initial adhesion (after 28 gg):	1.00 N/mm²
Adhesion after immersion in water:	0.70 N/mm²
Adhesion after freeze-thaw cycles:	0.90 N/mm²
Adhesion after heat action:	0.60 N/mm²
Resistance to acids and alkalis:	poor
Resistance to damp, solvents, oil, and ageing:	excellent
Temperature resistance:	from -30°C to +90°C
Deformability:	none
Harmonised customs code:	38245090

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