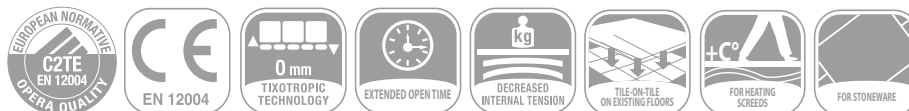




S10 Fibrorinforzato

One-component thixotropic cement-based adhesive, with improved adhesion and extended open time for the installation of medium sized porcelain stoneware indoors and outdoors, even for tile over tile application, and on heating screeds.



Fields of application:

- to apply floor tiles of any size in porcelain stoneware, single and double fired material, ceramic mosaic indoors on cured cement-based screeds, on screeds made with **Basecem** or **Basecem Pronto**, on self-leveling products such as **Planirapid 100**, on smoothing plasters such as **Rasoplan Tixo**, on anhydrite screeds and on radiating floors;
- to apply floor tiles in porcelain stoneware, single and double fired material outdoors on cured cement-based screeds, on screeds made with **Basecem** or **Basecem Pronto**;
- tile over tile application with size ≤ 900 cm² in porcelain stoneware, single and double fired material and ceramic mosaic indoors after cleaning with **Detergente Basico** and applying **Primer Grip**;

Characteristics:

S10 Fibrorinforzato is a one-component cement-based adhesive with standard setting classified C2TE according to norm EN 12004. The formula of **S10 Fibrorinforzato** made up of selected aggregates, high performance 52.5 Portland cements, polymers with low environmental impact, synthetic microfibers and celluloses, gives the adhesive an open time of 30 minutes, making it ready for walk over after 24 hours and ready for use in 7 days, guaranteeing easy and safe installation of floor and wall tiling. Indicated for indoor and outdoor civil, commercial and industrial applications.

Quality and Environmental Standards:

S10 Fibrorinforzato undergoes constant, careful testing at our laboratories, in compliance with the legislation in force -UNI EN ISO 9001/2015.

- to apply wall tiles of any size in porcelain stoneware, single and double fired material, ceramic mosaic, stable natural stones indoors on traditional render, pre-mixed render, plasterboard, gypsum;
- to spot-bond insulating materials such as foam polyurethane and polystyrene, rock or glass wool on walls or ceilings;
- to apply floor and wall tiles in porcelain stoneware, single and double fired material, ceramic mosaic indoors on waterproofing membranes such as **Sanigum**, **Scudo Revolution** and **Scudo A+B**;
- professional use only.

Application:

S10 Fibrorinforzato must be mixed with 6.5 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 **S10 Fibrorinforzato** 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 materials applied with **S10 Fibrorinforzato** 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. Remember to realize and respect the fractioning and perimeter joints. These joints must be made every 3x3 meters outdoors and 4x4 meters indoors.

CE		Opera Srl Via degli Scavi 19/21 47122 Forlì - Italy
DOP-IT-01-015 S10 FIBRORINFORZATO GRIGIO EN 12004:2007+A1:2012		
Improved cement-based adhesive for tiles with limited slip and extended open time, for indoor and outdoor application		
Fire reaction	Class A1/A1 fl	
Adhesion strength:	≥ 1.0 N/mm ²	
- Initial tensile adhesion	≥ 1.0 N/mm ²	
Durability:	≥ 1.0 N/mm ²	
- Tensile adhesion after thermal ageing	≥ 1.0 N/mm ²	
- Tensile adhesion after immersion in water	≥ 1.0 N/mm ²	
- Tensile adhesion after frost-thaw cycles	≥ 1.0 N/mm ²	
Release of harmful substances	See Safety data sheet	

Characteristics

One-component
Mixture water: 26-28% in weight
Open time: 30 minutes
Adjustment time: 60 minutes
Waiting time for wall joint grouting: 3/6 hours
Waiting time for floor joint grouting: 24 hours
Frost-proof
Elastic
Max. bedding thickness: 10 mm
Walk over time: 24 hours
Ready for use: 7 days

Application methods

Smooth or toothed trowel

Consumption

2.5-5 kg/m²

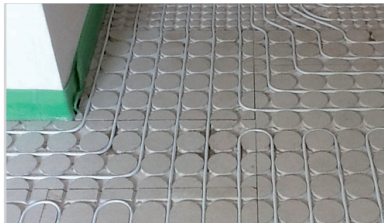
Storage

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

Code	Product	Form and color	Packages	Pallet
I02025	S10 Fibrorinforzato	Grey powder	25 kg	1500 kg
I02125	S10 Fibrorinforzato	White powder	25 kg	1500 kg

Warning:

- do not use for laying non-absorbent and large-size tiles outdoors;
- do not use for laying glass mosaic tiles or suchlike;
- do not use on prefabricated or cast-in-situ concrete constructions;
- on gypsum or anhydrite bases, use Primer GS beforehand;
- do not use where adhesive layer over 5 mm thick is necessary;
- do not use on wooden bases or plasterboard walls;
- do not use on metal, rubber, PVC or linoleum surfaces;
- do not use on surfaces which need to be treadable in a short space of time.


Technical and application specifications

Hazard classification as per Directive 99/45/CE:	grey: irritant white: none
Mixing water:	26-28% (weight) (i.e. approx. 6.5 l per 25 kg bag)
Specific weight of mixture:	1.50 g/cm³
Mixture pH:	over 12
Pot life:	6/8 hours
Application temperature:	from +5°C to +35°C
Open time (according to EN 1346):	approx. 30 minutes
Handling time:	approx. 60 minutes
Joint sealant hardening time on walls:	3/6 hours (depending on the absorption)
Joint sealant hardening time on floors:	approx. 24 hours
Walk-over time:	24 hours
Ready for use:	7 days

FINAL PERFORMANCES SPECIFICATIONS EN 1348 (N/mm²)

Initial adhesion (after 28 days):	1.80 N/mm²
Adhesion after immersion in water:	1.40 N/mm²
Adhesion after freeze-thaw cycles:	1.70 N/mm²
Adhesion after heat action:	1.50 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.