



S I 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-levelling products such as Planirapid Autolivellante or Planirapid Autolivellante Maxi, 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 Tack;
- 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.

Characteristics:

S1 Fibrorinforzato is a one-component cement-based adhesive with standard setting classified C2TE according to norm EN 12004. The formula of **S1 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:

S1 Ultrawhite undergoes constant, careful testing at our laboratories, in compliance with the legislation in force -UNI EN ISO 9001/2015.

Application:

SI Fibrorinforzato must be mixed with 6.5 I 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 S1 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 SI 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.

C€	Via degli :	ra Srl Scavi 19/21 Forlì - Italy		
DOP-IT-01-015 S1 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 A I /A I fl		
Adhesion strength: - Initial tensile adhesion		≥1.0 N/mm²		
		-		
Durability: - Tensile adhesion after th	ermal ageing	≥1.0 N/mm ²		
		≥1.0 N/mm² ≥1.0 N/mm²		

Characteristics	Application methods	Consumption
One-component Mixture water: 26-28% in weight Open time: 30 minutes	Smooth or toothed trowel	2.5-5 kg/m²
Adjustment time: 60 minutes Waiting time for wall joint		Storage
grouting: 3/6 hours		Shelf life of 12 months
Waiting time for floor joint grouting: 24 hours		the original packages and
Frost-proof		in a dry place
Elastic		
Max. bedding thickness: 10 mm		
Walk over time: 24 hours		
Ready for use: 7 days		

Code	Product	Form and color	Packages	Pallet
102025	S1 Fibrorinforzato	Grey powder	25 kg	1500 kg
102125	SI 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 castin-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 plasteboard 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			

 $Measurement of data at 23 ^{\circ}C/50\% \ Residual \ Humidity \ and \ no \ ventilation. The \ data \ may \ be \ considerably \ modified \ by \ the \ conditions \ of \ use.$