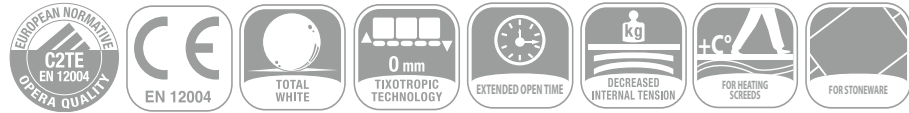




S9 Ultrawhite

Ultra-white one-component chixotropic cement-based adhesive, with improved adhesion and extended open time for the installation of large sized porcelain stoneware indoors and outdoors, even for tile over tile application, and on heating screeds; specific for glass mosaic.



Fields of application:

- to apply on floors glass mosaic, ceramic mosaic, marble mosaic, low thickness glass slabs 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 on walls glass mosaic, ceramic mosaic, marble mosaic, low thickness glass slabs outdoors on cured cement-based screeds, on screeds made with Basecem or Basecem Pronto;

- to apply glass mosaic and ceramic mosaic in swimming-pools, fountains, saunas, wellness centers on cured cement-based screeds, on screeds made with Basecem or Basecem Pronto, on cured concrete, on smoothing plasters such as Rasoplan Tixo, after adding Isoflex latex in a ratio 1:1 with the mixture water to S9 Ultrawhite;
- to apply glass mosaic and ceramic mosaic in swimming-pools, fountains, saunas, wellness centers on cured cement-based screeds, on surfaces waterproofed with Scudo Revolution, Scudo A+B, after adding Isoflex latex in a ratio 1:1 with the mixture water to S9 Ultrawhite;
- professional use only.

Characteristics:

S9 Ultrawhite is a one-component cement-based adhesive with standard setting, classified C2TE according to norm EN 12004 and classified S1 according to norm EN 12002 with the addition of **Isoflex** latex. The formula, made of white extrafine aggregates, 52.5 Portland modified cement, polymers with low environmental impact, low viscosity and water-retaining celluloses, gives the adhesive an extended open time and a long working time. The addition of the elasticizing synthetic latex Isoflex gives the adhesive an open time of 30 minutes, making it ready for walk over after 24 hours and ready for use in 14 days, guaranteeing easy and safe installation in heavy-duty conditions. Indicated for indoor and outdoor civil, commercial and industrial applications.

Application:

S9 Ultrawhite must be mixed with 9 l of water and, where specified, with 4.5 l of Isoflex every 25 kg bag with a low speed stirrer. 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 **S9 Ultrawhite** creating an adhesive layer of max. 5 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 **S9 Ultrawhite** 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. Baths and swimming pools must be filled until 21 days after application.

Quality and Environmental Standards:

S9 Ultrawhite undergoes constant, careful testing at our laboratories, in compliance with the legislation in force - UNI EN ISO 9001/2015.

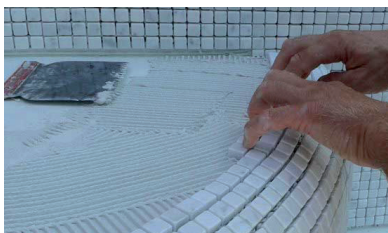
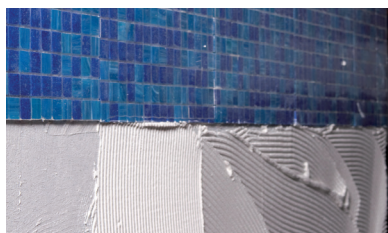
CE	
Opera Srl Via degli Scavi 19/21 47122 Forlì - Italy	
DOP-IT-01-018 S9 ULTRAWHITE EN 12004:2007+A1:2012 Improved cement-based adhesive for tiles with limited slip and extended open time, for indoor and outdoor application.	
Fire reaction:	Class A1/A2 fl
Adhesion strength:	
- Initial tensile adhesion	≥ 1.0 N/mm ²
Durability:	
- 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	Application methods	Consumption
One-component Mixture water: 35-37% in weight Open time: 30 minutes Adjustment time: 45 minutes Waiting time for wall joint grouting: 4/8 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	Smooth or toothed trowel	2.5-4 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
I02226	S9 Ultrawhite	Total White powder	25 kg	1500 kg

Warning:

- for non-absorbent bases, use **S9 Ultrawhite** mixed with **Isoflex** (ratio = 1:1);
- when gluing ceramic tiles onto plaster in swimming pools, tiles must be no larger than 20 x 20;
- before use on prefabricated or cast-in-situ concrete constructions, smooth surface;
- 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 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:	none
Mixing water:	35-37% of weight (approx. 9 l per 25 kg bag)
Specific weight of mixture:	1.50 g/cm³
Mixture pH:	over 12
Pot life:	approx. 8 hours
Application temperature:	from +5°C to +35°C
Open time (according to EN 1346):	30 minutes
Handling time:	approx. 45 minutes
Joint sealant hardening time on walls:	approx. 4/8 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 days):	1.50 N/mm²
Adhesion after immersion in water:	1.30 N/mm²
Adhesion after freeze-thaw cycles:	1.40 N/mm²
Adhesion after heat action:	1.40 N/mm²
Acid resistance:	poor
Resistance to damp, solvents, oil, alkalis, and ageing:	excellent
Temperature resistance:	from -30°C to +90°C

(S9 ULTRAWHITE + ISOFLEX ratio. 1:1 with water)

Deformability:	S I-deformable
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.