

SI LIGHT

Lightweight one-component cementitious adhesive with very high yield and high wettability. Thixotropic, with no vertical slip and extended open time. Suitable for all types of tiles.



Fields of application:

- Laying of porcelain stoneware, thin-fired stoneware, single-fired, double-fired, vitreous and ceramic mosaic, stable natural stone on:
 - cured cement-based screeds and plasters;
 - traditional plasters and pre-mixed plasters;
 - screeds made with Basecem, Basecem Pronto and the Planirapid line;
 - cement-based self-levelling screeds in general;
 - plaster coatings such as Rasoplan Tixo;
 - plasterboard, gypsum and anhydrite: previously applying Primer GS;
 - radiant floors;
 - overlapping floor and wall tiles: previously cleaning with Detergent Basico and applying Primer Grip;

Characteristics:

SI LIGHT is a one-component, light, normal-setting cementitious adhesive according to EN 12004 in class C2TE. The newly developed formulation makes **SI LIGHT** an Opera record. Light-weight minerals, latest-generation hydraulic binders, scission-stable polymers with low environmental impact, cellulose with progressive and total wettability, characterize the adhesive with an open time of 30 minutes, a walk-over time of 24 hours and ready for use in 7 days, ensuring easy and safe laying of floor and wall coverings, achieving maximum laying reliability. For civil, commercial and industrial use, indoor and outdoor applications.

Preparation and Application:

Mix **SI LIGHT** with 6/6.5 liters of water each 15 kg bag with a low-speed mixer. Do not add other aggregates or hydraulic binders. Check that the substrate complies with standard EN 11493 point 7.3, in terms of seasoning, integrity, surface strength, dimensional regularity, residual moisture and rising damp. Apply Primer GS in case of very absorbent substrates, on gypsum and anhydrite surfaces or in case of small graining phenomena. Apply **SI LIGHT** creating a maximum adhesive layer of 10 mm, by covering the entire back of the tile. Follow standard 11493 point 7.9/7.11 for outdoor applications, with tile sides ≥ 60 cm or with thin tiles by applying a skim coat of adhesive both on the sub-

- for spot-bonding insulation materials such as expanded polystyrene, extruded polyurethane, rock or glass wool to walls or ceilings;
- cement or acrylic waterproofing membranes such as Sanigum, Scudo Revolution, Scudo A+B.
- For interiors and exteriors
- Product for professional use

strate and on the back of the tile (double-buttering) or where required by the ceramic manufacturer. Elastic expansion joints must be created outdoors every 10 sqm and indoors every 25 sqm, along pavements and skirting boards every 4 ml. Protect the laying area from rain for the first 24 hours and from frost for the first 5 days.

Quality and Environmental Standards:

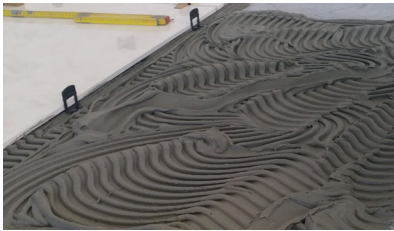
SI LIGHT undergoes constant, careful testing at our laboratories, in compliance with the legislation in force UNI EN ISO 9001/2015.

Characteristics	Application methods	Consumption
One-component Mixing water: 43% in weight - white adhesive Mixing water: 40% in weight - grey adhesive Open time: 30 min Handling time: 60 min Waiting time for wall grouting: 4/8 hours Waiting time for floor grouting: 24 hours Frost-resistant - Flexible - High yield - Lightweight Walk-over time: 24 hours Ready for use: 7 days High Wettability Operating temperature -30°C +90°C Consult MSDS before application	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
103431	SI LIGHT	Grey	15 kg	720 kg
103432	SI LIGHT	Total white	15 kg	720 kg

Warnings

- Do not use on concrete structures cured for less than 3 months;
- on gypsum or anhydrite-based substrates apply **Primer GS** first;
- do not use where rapid walkability is required;
- do not use on wood, metal, rubber, PVC, linoleum surfaces;
- do not use where an adhesive bed thickness of more than 10 mm is required;
- do not use with marbles that are dimensionally unstable in the presence of moisture.



Technical and application specifications

Hazard classification as per Directive 99/45/CE:	Irritating
Mixing water	43% (weight) – white – 6,5 l/each kg 15 bag 40% (weight) – grey – 6 l/each kg 15 bag
Specific weight of the mixture:	1,10 g/cm³
pH of the mixture:	Over 12
Application temperature:	From +5°C to +35°C
Open time (according to EN 1346)	> 30 minutes
Handling time:	Approx. 60 minutes
Waiting time for wall grouting:	4/8 hours (depending on the absorbency)
Waiting time for floor grouting:	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):	1,60 N/mm²
Adhesion after immersion in water:	1,20 N/mm²
Adhesion after freeze-thaw cycles:	1,30 N/mm²
Adhesion after heat action:	1,50 N/mm²
Resistance to acids:	poor
Resistance to damp, solvents, oil and ageing:	Excellent
Temperature resistance:	from -40°C to +90°C
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.