

SPM Professional

High performance professional chixotropic and deformable cement-based adhesive with high wettability for applying high and low thickness and for any kind of application, also on heating screeds.



Fields of application:

- to apply floor and wall tiles of any size in porcelain stoneware, low thickness stoneware, single and double fired material, glass mosaic, ceramic mosaic, stable natural stones 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 wall tiles on traditional render, pre-mixed render, plasterboard, gypsum.

- to apply floor tiles of any size in porcelain stoneware, single and double fired material, ceramic mosaic, stable natural stones outdoors on cured cement-based screeds, on screeds made with Basecem or Basecem Pronto

- for tile over tile application of any size in porcelain stoneware, single and double fired material and ceramic mosaic indoors and after cleaning with Detergente Basico
- 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 of any size in porcelain stoneware, single and double fired material, glass mosaic, ceramic mosaic, and stable natural stones indoors and outdoors on waterproofing membranes such as Sanigum, Scudo Revolution and Scudo A+B
- to apply in outdoor facades
- professional use only

Preparation: the base must be flat, sound and compact, have no parts coming away, 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 or if the substrate is highly absorbent, before tile laying, we recommend to pre-treat the surface with **Primer GS** with one or two applications in order to prevent non-standard drying of the adhesive. The non-absorbent substrates must be degreased beforehand with **Detergente Basico** or prepared by mechanical abrasion like shot-blasting or grinding.

Application: mix **Spm Professional** with clean water to obtain a smooth, lump-free paste. Do not add other aggregates or hydraulic binders to **Spm Professional**. Leave the mixture to rest for 5 minutes and then mix again shortly before application. If the mixture is already hardening, do not attempt to restore workability by adding water. Spread the mixture over the base, first with the smooth side of the trowel and then with the toothed part. The trowel must have suitable toothing to ensure the glue adheres to the back of the tile, covering at least 70% of the surface area for indoor laying and 100% for laying outdoors or in areas subject to heavy traffic. For applications in areas exposed to freezing temperatures or subject to particular mechanical strains (outdoors, paving/flooring subject to heavy loads, flooring that needs to be polished once laid), **Spm Professional** must be applied both on the base and the back of the tile (double spreading method). The installation area must be protected from rain during the 24 hours following the laying with **Spm Professional** and must not be exposed to freezing temperatures during the first 5 days. Remind to install and respect the expansion and dividing joints: between soil and wall, each 3x3 metres outdoors, each 4x4 metres indoors

Quality and Environmental Standards:

SPM Professional undergoes constant, careful testing at our laboratories, in compliance with the legislation in force UNI EN ISO 9001/2008.

CE	
Opera Srl Via degli Scavi 19/21 47122 Forlì - Italy	
DOP-IT-01-016 SPM PROFESSIONAL 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: - Initial tensile adhesion $\geq 1,0 \text{ N/mm}^2$ Durability: - Tensile adhesion after thermal ageing $\geq 1,0 \text{ N/mm}^2$ - Tensile adhesion after immersion in water $\geq 1,0 \text{ N/mm}^2$ - Tensile adhesion after frost-thaw cycles $\geq 1,0 \text{ N/mm}^2$	
Release of harmful substances See Safety data sheet	

Characteristics	Application methods	Consumption
One-component Mixture water: 28% in weight for self-backbuttering installation (7 l/bag) Mixture water: 24% in weight for chixotropic installation (6 l/bag) Open time: > 30 minutes Adjustment time: 60 minutes Waiting time for wall joint grouting: 8 hours / floor joint grouting: 24 hours Frost-proof Deformable class S1 Max. bedding thickness: 15 mm Walk over time: 24 hours	Smooth or toothed trowel	5-12 kg/m ²
		Storage Shelf life of 12 months in the original packages and in a dry place

Code	Product	Color	Packages	Pallet
I040I0	SPM Professional	Grey	25 kg	1500 kg
I040I1	SPM Professional	White	25 kg	1500 kg

Warning

- to be applied only on seasoned concrete constructions;
- on gypsum or anhydrite bases, apply **PRIMER GS** beforehand;
- do not apply in case a rapid walk over time is requested;
- do not apply in case a rapid walk over time is requested;
- do not apply at a thickness higher than 15 mm;
- do not use for installing moisture sensitive marble;



Technical and application specifications

Hazard classification as per Directive 99/45/CE:	irritating
Mixing water	28% in weight for self-backbut- tering application 24% in weight for thixotropic applications
Specific weight of the mixture:	1,50 g/cm³
pH of the mixture:	above 12
Pot life:	over 8 hours
Application temperature:	from +5°C to +35°C
Open time (according to EN 1346)	> 30 minutes
Handling time:	approx. 60 minutes
Joint sealant hardening time on walls:	4/8 hours (depending on the absorbcency)
Joint sealant hardening time on floors:	Approx. 24 hours
Walk-over time:	Walk-over time
Ready for use:	7 days

FINAL PERFORMANCES SPECIFICATIONS EN 1348 (N/mm²)

Initial Adhesion (after 28 days)	1.70 N/mm ²
Adhesion after immersion in water:	1.60 N/mm ²
Adhesion after freeze-thaw cycles:	1.60 N/mm ²
Adhesion after heat action:	1.80 N/mm ²
Resistance to acids:	poor
Resistance do damp, solvents, oil and ageing:	Excellent
Resistance to temperature:	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.