



# SPM Professional

High performance professional thixotropic 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 12 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 9001/2015.

CE	Opera Srl Via degli Scavi 19/2 I 47122 Forlì - Italy
	<b>DOP-IT-01-016</b> <b>SPM PROFESSIONAL GRIGIO</b> <b>EN 12004:2007+A1:2012</b> 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	≥ 1,0 N/mm <sup>2</sup>
Durability:	
- Tensile adhesion after thermal ageing	≥ 1,0 N/mm <sup>2</sup>
- Tensile adhesion after immersion in water	≥ 1,0 N/mm <sup>2</sup>
- Tensile adhesion after frost-thaw cycles	≥ 1,0 N/mm <sup>2</sup>
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 thixotropic installation (6 l/bag) Open time: > 30 minutes Adjustment time: 60 minutes Waiting time for wall joint grouting: 8 hours / floor joint grouting: 12 hours Frost-proof Deformable class S1 Max. bedding thickness: 15 mm Walk over time: 12 hours	Smooth or toothed trowel	5-12 kg/m <sup>2</sup>
		Storage
		Shelf life of 12 months in the original packages and in a dry place

Code	Product	Color	Packages	Pallet
104010	SPM Professional	Grey	20 kg	1280 kg
104011	SPM Professional	Total White	20 kg	1280 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:	<b>irritating</b>
Mixing water	<b>28% in weight for self-backbuttering application</b> <b>24% in weight for chixotropic applications</b>
Specific weight of the mixture:	<b>1,50 g/cm<sup>3</sup></b>
pH of the mixture:	<b>above 12</b>
Pot life:	<b>over 8 hours</b>
Application temperature:	<b>from +5°C to +35°C</b>
Open time (according to EN 1346)	<b>&gt; 30 minutes</b>
Handling time:	<b>approx. 60 minutes</b>
Joint sealant hardening time on walls:	<b>4/8 hours (depending on the absorbency)</b>
Joint sealant hardening time on floors:	<b>Approx. 12 hours</b>
Walk-over time:	<b>12 hours</b>
Ready for use:	<b>7 days</b>
<b>FINAL PERFORMANCES SPECIFICATIONS EN 1348 (N/mm<sup>2</sup>)</b>	
Initial Adhesion (after 28 days)	<b>1.70 N/mm<sup>2</sup></b>
Adhesion after immersion in water:	<b>1.60 N/mm<sup>2</sup></b>
Adhesion after freeze-thaw cycles:	<b>1.60 N/mm<sup>2</sup></b>
Adhesion after heat action:	<b>1.80 N/mm<sup>2</sup></b>
Resistance to acids:	<b>poor</b>
Resistance do damp, solvents, oil and ageing:	<b>Excellent</b>
Resistance to temperature:	<b>from -40°C to +90°C</b>
Harmonised customs code:	<b>38245090</b>

Measurement of data at 23°C/50% Residual Humidity and no ventilation. The data may be considerably modified by the conditions of use.