



SPM Gips

One-component, flexible cement-based adhesive with high resistance to sulfates, extended open time and improved adhesion, for the installation indoors/outdoors, on heating screeds, of every type of tile, even large sized.



Fields of application:

- to apply floor tiles of any size in porcelain stoneware, low thickness stoneware, thin stoneware, single and double fired material, glass mosaic, ceramic mosaic, stable natural stones indoors on anhydrite screeds without Primer GS, 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 radiating floors;
- to apply floor tiles of any size in porcelain stoneware, low thickness 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;

- to apply wall tiles of any size in porcelain stoneware, low thickness stoneware, thin stoneware, single and double fired material, glass mosaic, ceramic mosaic and stable natural stones indoors on plasterboard and gypsum without Primer GS, traditional renders and pre-mixed renders;
- 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, low thickness stoneware, thin 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;
- professional use only.

Characteristics:

SPM Gips is a one-component adhesive with standard setting, classified C2E according to norm EN 12004. The formula of **SPM Gips**, made up of fine aggregates, modified cement, polymers, celluloses specifically studied for the direct contact with anhydrite or gypsum-based substrates, 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.

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. Gypsum-based plaster must have a residual humidity of $\leq 1\%$ and anhydrite screeds of $\leq 0,5\%$, measured with a carbide hygrometer.

Quality and Environmental Standards:

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

Application:

SPM Gips must be mixed with 8 l 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**. Always make sure that the gypsum-based renders have a residual humidity $\leq 1\%$ and anhydrite screeds $\leq 0.5\%$. Apply **SPM Gips** 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 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 installation area must be protected from rain during the 24 hours following the laying with **SPM Gips** and must not be exposed to freezing temperatures during the first 5 days.

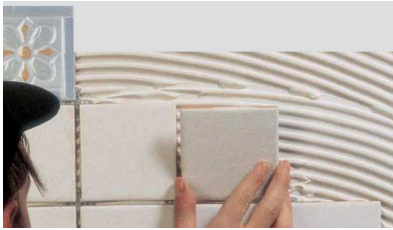
CE	Opera Srl Via degli Scavi 19/21 47122 Forlì - Italy
DOP-IT-01-029 SPM GIPS EN 12004:2007+A1:2012 Improved cement-based adhesive with limited slip, for indoor and outdoor tile application.	
Fire reaction	Class A1/A1 fl
Adhesion strength:	
- Initial tensile adhesion	≥ 1.0 N/mm ²
Durability:	
- Tensile 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: 30-32% in weight Open time: > 30 minutes Waiting time before wall joint grouting : 4/8 hours Waiting time before floor joint grouting: 24 hours Frost-proof Walk-over time: 24 hours Ready for use: 7 days	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
104325	SPM Gips	White powder	25 kg	1500 kg

Warning:

- do not use on wood, paint, metal, PVC and linoleum;
- do not use on concrete constructions that have been set for less than 3 months;
- 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:	30-32% of weight (approx. 8 l of water per bag)
Specific weight of mixture:	1.50 g/cm³
Mixture pH:	over 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
Waiting time before wall joint grouting:	approx. 4/8 hours, depending on the absorption

Waiting time before floor joint 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):	2.10 N/mm²
Adhesion after immersion in water:	1.30 N/mm²
Adhesion after freeze-thaw cycles:	1.30 N/mm²
Adhesion after heat action:	1.50 N/mm²
Acid resistance:	poor
Resistance to damp, solvents, oil, alkalis, and ageing:	excellent
Temperature resistance:	from -30°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.