



PEGOLAND® FAST FLEX



DESCRIPTION

Cementitious adhesive with mixed binders, rapid setting and drying, deformable, with high bond strength and reduced slip, suitable for tiling floors and walls both indoors and outdoors. This adhesive is especially suitable for façade installations, large floor areas, underfloor heating systems, and whenever a rapid commissioning is required. Suitable for all type of ceramic pieces or similar characteristics.

TECHNICAL CHARACTERISTICS

Product comprised of high-performance hydraulic bonding materials, selected aggregates, additives and synthetic resins that provide a high-bonding strength just a few hours after applying. Excellent manageability and resistance to ageing.

ADVANTAGES AND USES

- Reduced slipping, excellent initial adhesion.
- Long open time, it allows the rectification of pieces.
- Reduces the risk of staining on stone or tile surfaces. Ready for foot traffic after 6 hours.
- For both exterior and interior floors and walls. Suitable for interior and exterior areas, façades.
- Suitable for any kind of ceramic pieces. Especially suitable for installing marble, granite, natural stone, and porcelain stoneware outdoors, as it contains no soluble salts, sets, and dries quickly.
- Adhesion of insulating materials such as expanded polystyrene (EPS), fibreglass or rock wool, sound-absorbing panels, aerated concrete blocks, drywalls, etc.
- Adhesion of large-format pieces, bonding of extensive surfaces with heavy traffic.
- Highly recommended for refurbishment projects where quick commissioning is required (industry, shopping centres, airports, hospitals, etc.).
- Deformable. Type S1 According to EN 12002 Pools rendering.
- Cold storage rooms walls.

SUITABLE SUBSTRATES

- Conventional cement and concrete-base substrates. Suitable for all type of drywall.
- Installation of ceramics on cementitious waterproofing from the MORCEM DRY range.
- Tiling radiant heating floors and walls.
- Overlays on marble, granite, terrazzo, natural stone, and all types of ceramic substrates for interior and exterior floors and interior walls.
- Substrates must be resistant enough, stable, sound and clean.
- Free of dust, release agents, organic products, etc.
- All substrates should have adequate flatness. If this is not the case, make screeds of up to 5 mm with the same product 12 hours before gluing. For a greater thickness apply:
 - On screeds: Apply levelling paste NIVELAND 10R or PAVILAND RECRECIDO AUTONIVELANTE depending on the substrate and requirements.
 - On flooring: Use regularization mortars with adequate tensile strength and with a curing shrinkage already completed.
 - In case of heavy heat, wind, or very absorbent substrates, it is advisable to moisten the substrate and wait until the water film is totally absorbed.
- Do not apply on top of paint.
- In exterior floors, the substrate must have a slope equal or greater than 1%.
- Do not apply on top of gypsum, plaster, anhydrite, or any other substrates with high content of sulphates, or in contact with water or moisten with high content of sulphates.

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APPLICATION PROCEDURE

- All substrates must comply with the specifications outlined in section 6.4 of UNE 138002 standard.
- Mix the adhesive manually or mechanically with approximately 5-6 litres of clean water per bag until a homogeneous, lump-free paste is obtained.
- Let the paste rest around 5 min. then mix again.
- Spread the kneaded product on the substrate with the help of a trowel on a maximum extension of 2 m².
- Comb the area with a notched trowel to level the thickness (check table).
- Only apply to the surface area that can be filed within the open time allowed by the current weather conditions. For exterior walls, it is recommended that the adhesive grooves be applied horizontally.
- Place the tiles on the fresh adhesive, pressing and moving them until getting a complete smashing of the grooves and the proper adhesion of all the ceramic surface. Periodically check the stickiness of the adhesive by lifting a previously laid tile, if the appearance of a film without transfer on the surface of the adhesive or dehydration of the adhesive is observed, proceed to remove the material and apply a new product.
- Laying of tiles by back buttering method outdoors, for tiles with a bigger to 45 cm side, on floors for commercial or industrial use. If there is underfloor heating, in the laying of ceramic tiles, if levelling systems are used or if the tiles have a relief that may interfere the gluing process.
- Respect the placement joints between tiles as indicated in section 7.7 of UNE 138002 standard. For interior and pool areas, the joint width should be $\geq (1.5 - 3)$ mm, and for exterior areas, the joint width should be $\geq (3 - 5)$ mm, depending on the type of installation and the larger side of the tile being placed.
- Joint filling can begin after 3 hours. Use a mortar from the corresponding range. Suitable MORCEMCOLOR, considering the type of joint.

NOTE: The shorter the time between combing the adhesive and placing the tiles, the better the adhesion results will be.

Maximum tiles weight in vertical parameters: 40 kg/m²

Type of tile	Longer side cm	Trowel used for the application of the adhesive to the substrate	Trowel used for the application of the adhesive On the back side of the tile
Mosaic	≤ 10 cm	V 3	-
	≤ 20 cm	U 6	-
	≤ 30 cm	U 6	-
	≤ 45 cm	U 8	-
Ceramic tile	≥ 45 cm	U 8	Smooth
	≤ 120 cm	U 10 - R 10	Smooth
	≥ 120 cm	U 12 - R 12	Smooth / V 3 / U 3
Ceramic sheet >3 mm - ≤ 6 mm	≤ 90 cm	U 6	Smooth
	≤ 260 cm	U 8	Smooth / V 3 / U 3
Ceramic sheet >6 mm - ≤ 9 mm	≤ 360 cm	U 10	Smooth / V 3 / U 3

NOTE 1: In the case of extruded tiles or those with a pronounced back, a back buttering method is always required using the smooth side of the trowel, regardless of the tile format.

RECOMMENDATIONS

- The duration of the ceramic installation can only be ensured through careful planning. Therefore, we recommend consulting the current national standards in each country, such as the UNE 138002 standard in Spain, which provides specifications for material selection, proper planning, use, and installation, to achieve the required levels of quality, performance, and durability.

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- Do not apply in temperatures below 5°C or above 35°C, and avoid application in conditions at risk of frost, rain, intense winds, or direct sunlight. Under extreme weather conditions (high wind or elevated temperatures) drying occurs faster.
- Temperatures, ventilation, absorption of the substrate and coating materials can vary the workability and setting times of the adhesive.
- Never apply with the "by dots" technique.
- Respect the movement joints (structural, contraction, expansion, and perimeter joints) as indicated in section 7.8 of UNE 138002 standard. These joints can be addressed by using prefabricated joints or filling them with an elastic sealant from the PUMALASTIC range.

Expansion joint sizing

Scope of application	Location and dimensions	Joint width mm
Exterior walls	- Below each floor slab - Separation length 3 m - 4 m linear - Maximum regular area 16 m²	≥ 8 mm
Interior floors	- Respect open contraction joints. - Otherwise: linear separation lengths ≤ 8 m. - Maximum regular area. 40 m²	≥ 5 mm
Exterior floors	- Separation length 2.5 m - 5 m linear - Maximum regular area. 16 m²	≥ 8 mm
Singular points	- Door steps - Changes of floor	≥ 8 mm
NOTE: When these joints affect all layers of the ceramic system, they must meet the conditions of contraction joints.		

Sizing of perimeter joints

Scope of application	Location and dimensions	Joint width mm
Interior walls	- Perimeter joints - Wall /ceiling joint	≥ 8 mm
Exterior walls	- Wall / wall joint - Interior corners of the building - Exterior corners of the building	≥ 5 mm
Interior floors	- Perimeter joints and joints with other elements or devices	≥ 8 mm
Exterior floors	- Perimeter joints and joints with other elements or devices	≥ 8 mm
Singular points	- Joints at encounters with carpentry	≥ 5 mm

- In floors with underfloor heating, it must be turned off at least 48 hours in advance and it must be turned on gradually after at least 7 days from the installation of the flooring and the grouting operation. On floors with radiant heating, apply when the substrate is at room temperature (between 5°C and 30°C).
- In applications on drywalls, make sure the substrate is well fixed to prevent movement.
- Remove any spare or bad adhered pieces in ceramic pavements and fill the gaps with mortar one day before the actual application of the product. Make sure the old ceramic is free from greases or waxes, if necessary, mill the surface until the old pottery loses its shine. In case of doubt, conduct a preliminary test to establish the suitability of the solution provided.
- On façades and exterior cladding, the material will always be placed with fasteners or mechanical fixing when any of the following conditions are met format greater than 2400 cm², one side of the piece measures more than 60 cm, weight greater than 40 kg/m² or height greater than 3 meters.
- On façades when placing the top row of tiles at the top, it will be convenient to apply the adhesive with the grooves horizontally to prevent the water that could eventually enter the system from descending through the vertical grooves, affecting a larger area.
- In cold rooms, these must be kept off until the correct curing of the adhesive occurs for, at least 7 days, depending on environmental conditions.

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PACKAGING AND STORAGE

- Swimming pools can be refilled 3 days after applying the adhesive. The water tightness of the pool must be ensured by the construction of the pool itself.
- For pieces with fibreglass mesh reinforcement glued on the back, consult technical department.
- Use a PEGOLAND PROFESIONAL range adhesive for gypsum-based substrates, avoid old gypsum or weak plaster.

25 Kg of laminated paper sacks.

Store up to 6 months in its original closed container, away from extreme weather conditions and humidity.

TECHNICAL DATA

(Results obtained under standard conditions)

Appearance	Grey powder
Adjustment time:	Approx. 30 mins. (depending on weather conditions)
Paste shelf life:	Approx. 45 mins. (depending on weather conditions)
Commissioning of pedestrian traffic:	6 hours
Commissioning for industrial use:	24 hours
Commissioning of tanks and pools:	3 days
Initial adhesion (at 6 hours):	$\geq 0.5 \text{ N/mm}^2$
Initial adhesion:	$\geq 1.0 \text{ N/mm}^2$
Adhesion after water immersion:	$\geq 1.0 \text{ N/mm}^2$
Adhesion after heat ageing:	$\geq 1.0 \text{ N/mm}^2$
Adhesion after freeze/thaw cycles:	$\geq 1.0 \text{ N/mm}^2$
Temperatura de serviço	From -30°C to 90°C
UNE-EN 12004:2008 Classification	C2FTE
UNE-EN 12002:2009 Classification	S1
Approximate performance	simple gluing: 4 kg/m^2 double gluing: 6 kg/m^2

ENVIRONMENTAL PRODUCT DECLARATION (EPD)

Cement based mortar prepared with aggregates that are supplied close to the production center, which reduces the greenhouse gas emissions that would otherwise arise from their transport. Manufactured in production centers with an Environmental management certified system following ISO 14001 regulation, offering a firm promise of sustainability and respect for the environment.

Cement based mortar with type III ecological label (the most strict) Environmental Product Declaration verified externally by AENOR.

LEGAL DISCLAIMER

The instructions for use are given according to our tests and knowledge and do not imply any commitment by GRUPO PUMA nor free the consumer from the examination and verification of the products for their correct use. Claims must be accompanied by the original packaging to allow a proper traceability.

GRUPO PUMA is not responsible, in any case, for the application of its products or constructive solutions carried out by the application company or other parties involved in the process and / or execution of the work, limiting the responsibility of GRUPO PUMA exclusively to the damages directly attributable to the supplied products, individually or integrated in systems, due to failures in their manufacturing process.

In any case, the drafter of the work project, the technical management or the person responsible for the work, or collaterally the application company or other parties involved in the process and / or execution of the work, must ensure the suitability of the products addressing the characteristics of them, as well as the conditions, support and possible pathologies of the work in question.

The values obtained by GRUPO PUMA's products or its constructive solutions that, as the case may be, are determined by the EN standards or any other regulation that applies to it in each case refers exclusively to the conditions specifically stipulated in said regulation and that are referred to, among others, to certain characteristics of the support, humidity and temperature conditions, etc. without being them required in the

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tests obtained under different conditions, all in accordance with the relevant regulation.