PEGOLAND® PROFESIONAL ELITE

DESCRIPTION

Single-component cementitious adhesive with mixed binders, excellent workability, low dust emission, low VOC emissions and high whiteness. It possesses flexibility and high adhesion, with reduced slip and extended open time, suitable for the installation of interior and exterior floors and walls. Specially recommended for façades, big surfaces and radiant heating floors. For gypsum or anhydrite substrates and very tough applications or those requiring the flexibility of the product.

TECHNICAL CARACTERISTICS

High-strength cement-based product with selected aggregates, synthetic resins, special fibres, and the latest technology additives ensuring strong adhesion, excellent workability and resistance to ageing.

ADVANTAGES AND USES

- Excellent workability and high whiteness
- Rheologically improved with high stability and excellent performance
- Creamy thixotropy
- Technologically advanced, compatible with a wide range of substrates
- Stable over a broad mixing range
- High thixotropic efficiency for greater comfort and less effort.
- The product prevents the suspension of dust particles in the environment.
- Due to its water retention power, there is no need to moisten the substrate.
- Low emission of VOCs.
- Reduced slip. Excellent initial adhesion.
- Extended open time, it allows the rectification of pieces. Very deformable. Type S2 according to EN 12002.
- High wetting capability.
- Application thicknesses up to 15 mm without loss.
- Suitable for interior and exterior areas.
- Highly recommended for façades.
- Adhesion of all types of ceramic pieces (double-fired, single-fired, clinker, etc.), porcelain stoneware, marble, granite and natural stone.
- Adhesion of large-format pieces and / or low thickness, bonding of extensive surfaces with heavy traffic.
- Swimming pool renders.
- Suitable for using in refrigerated chambers.

SUITABLE SUBSTRATES

- Conventional substrates based on cement, gypsum or anhydrite in which primers are not required.
- On all types of drywalls (PYL type), large-format ceramic brick, concrete, cellular concrete, fibre-cement, gypsum brick, mortars, and self-levelling pastes.
- Overlays on marble, granite, terrazzo, natural stone and all types of ceramic substrates for interior and exterior floors and interior walls.
- Ceramic installation on interior floors and walls with radiant heating.
- Installation of ceramic on cementitious weather resistant systems from the MORCEM DRY range.
- Do not apply on top of paints.
- Substrates must be resistant enough, stable, sound and clean. Free of dust, release agents, organic products, etc.

Rev. 24_02 · This revision cancels all previous ones. Please, obtain the latest version from our web site · www.grupopuma.com · (+34) 957 76 40 40

grupopuma

PEGOLAND® PROFESIONAL ELITE

- All substrates must have the appropriate flatness (maximum deviation tolerance of ±1.5 mm for low thickness tiles and ±3 mm for the rest measured with a 2-meter ruler). If this is not the case, make screeds of up to 5 mm with the same product 48 hours before gluing. For a greater thickness apply:
  - On bonded 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.
- In exterior floors, the substrate must have a slope equal or greater than 1%.
- Do not apply in areas in contact with water or high-sulphate content moisture.
- All substrates must comply with the specifications outlined in section 6.4 of UNE 138002 standard.

APPLICATION PROCEDURE

- Add between 24-29% (approximate 4.8-5.8 litres of water per bag) and mix manually or mechanically until getting a homogeneous and workable consistency.
- Let the paste rest around 5 min. and mix again.
- Spread the kneaded product on the substrate with the help of a trowel on a maximum extension of 2 m^2.
- Comb the area with a notched trowel to level the thickness (Check table).
- Install the tiles on the fresh adhesive, pressing and moving them until getting a complete smashing of the grooves and the proper adhesion of the entire 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.
- Installation 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 radiant heating in the installation 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 ≥ (1.5 - 3) mm, and for exterior areas, the joint width should be ≥ (3 - 5) mm, depending on the type of installation and the larger side of the tile being installed.
- Joints should be refilled after 24 hours in vertical parameters and 48 hours after in floors.
- Use a suitable mortar from the MORCEMCOLOR, taking into account the type of joint.

NOTE: The shorter the time between combing and laying the tile, the better results will be obtained.

Rev. 24_02 : This revision cancels all previous ones. Please, obtain the latest version from our web site · www.grupopuma.com · (+34) 957 76 40 40

grupopuma

PEGOLAND® PROFESIONAL ELITE

NOTCHED-TROWEL PANEL

Maximum tiles' weight in vertical parameters: 60 kg/m^2

Type of tiles	Longer side cm	Trowel for adhesive application to the substrate	Trowel for adhesive application On the back side of the tile
Mosaic	≤ 10 cm	V 3	-
Ceramic tile	≤ 20 cm	U 6	-
	≤ 30 cm	U 6	-
	≤ 45 cm	U 8	-
	≥ 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, it is always necessary to carry out a double spreading with the smooth side of the trowel, regardless of the tile format.			

RECOMMENDATIONS

- The successful completion of 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.
- Do not apply in temperatures below 5ºC or above 35ºC, and avoid application in conditions at risk of frost, rain, strong winds, or direct sunlight. Under extreme weather conditions (high wind or high 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.

Dimensioning of expansion joints

Application scope	Location and dimensions	Width of the joint mm
Exterior walls	- Under each slab - Separation length 3 m - 4 m linear - Maximum regular area. 16 m^2	≥ 8 mm
Interior floors	- Respect open contraction joints - Otherwise: separation length ≤ 8 m linear - Maximum regular area 40 m^2	≥ 5 mm
Exterior floors	- Separation length 2.5 m - 5 m linear - Maximum regular area 16 m^2	≥ 8 mm
Singular points	- Door steps - Changes of floors	
NOTE When these joints affect every coat in the ceramic system, they must meet the conditions of shrinkage joints.		

Rev. 24_02 · This revision cancels all previous ones. Please, obtain the latest version from our web site · www.grupopuma.com · (+34) 957 76 40 40

grupopuma

PEGOLAND® PROFESIONAL ELITE

Dimensioning of perimeter joints

Application scope	Location and dimensions	Width of the joint mm
Interior walls	- Perimeter joints - Wall / ceiling intersection	≥ 8 mm
	- Wall / wall intersection	≥ 5 mm
Exterior walls	- Interior corners of the building - Exterior corners of the building	
Interior floors - Monolithic - Parquet	- Perimeter joints and intersections with other elements or devices	≥ 8 mm
Exterior floors	- Perimeter joints and intersections with other elements or devices.	
Singular points	- Joints intersections in carpentry meetings	≥ 5 mm

- In radiant heating floors, apply when the substrate is at room temperature (between 5ºC and 30ºC). The radiant heating 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.
- 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.
- In applications on drywalls, make sure the substrate is well fixed to prevent movement.
- Remove any spare or bad adhered pieces in ceramic floors 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, carry out a preliminary test to establish the suitability of the solution provided.
- Swimming pools can be filled 7 days after applying the adhesive. The water tightness of the pool must be ensured by the construction of the pool itself.
- On façades and exterior cladding, the material will always be placed with anchoring 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.
- Anhydrite screeds must be perfectly dry (maximum residual moisture 0.5%), hard enough and free of dust or superficial grout, in the latter case, it must be removed by sanding.
- For pieces with fibreglass mesh reinforcement glued on the back, consult technical department.
- Pieces that can get stained due to their highwater absorption must be placed with fast-setting adhesives. Use PEGOLAND FAST FLEX C2FTE S1.

PACKAGING AND STORAGE

20 kg plastic-lined paper bags
Shelf life: 1 year in sealed original packaging, sheltered from weather conditions and humidity.

Rev. 24_02 · This revision cancels all previous ones. Please, obtain the latest version from our web site · www.grupopuma.com · (+34) 957 76 40 40

grupopuma

PEGOLAND® PROFESIONAL ELITE

TECHNICAL DATA

(Statistic results were obtained under standard conditions).

Aspect	White Powder and Grey
Adjustment time. Approx.	Aprox. 30 min (According to environmental conditions)
Life time of the paste	Aprox. 2h (According to environmental conditions)
Initial tensile adhesion strenght	≥ 1 N/mm^2
Tensile adhesion strenght after water inmersion	≥ 1 N/mm^2
Tensile adhesion strenght after heat ageing	≥ 1 N/mm^2
Tensile adhesion strenght after freeze	≥ 1 N/mm^2
Time to pavement pointing and light traffic	48 h.
Time to rendering pointing	24 h.
Time to swimming pool filling	7 days
Service temperature	-30ºC a 90ºC
Classification according to EN 12004	C2TE
Classification according to EN 12002	S2
Approximate yield	Simple gluing: 4 kg/m^2
	Double gluing: 6 kg/m^2

CE MARK

CE

1377

GRUPO PUMA SL
Av. Agrupación Córdoba, 17. 14014 Córdoba (Córdoba)
21

PEGOLAND PROFESIONAL ELITE BLANCO
Nº: 105285
EN-12004:2008+A1:2012

Highly deformable improved cementitious adhesive with reduced slip and extended open time, for floor and wall coverings, interior and exterior. Special for facades, large surface pavements, radiant heating floors, overlays, cold rooms, swimming pools and cementitious waterproofing.

Reaction to fire:	Class E
Adhesion:	
- Initial tensile adhesion	≥ 1N/mm^2
Durability:	
Tensile adhesion after immersion in water	≥ 1N/mm^2
Tensile adhesion after thermal aging	≥ 1N/mm^2
Tensile adhesion after freeze/thaw cycles	≥ 1N/mm^2
Hazardous substances	See safety data sheet

Rev. 24_02 · This revision cancels all previous ones. Please, obtain the latest version from our web site · www.grupopuma.com · (+34) 957 76 40 40

grupopuma

PEGOLAND® PROFESIONAL ELITE

CE

1377

GRUPO PUMA SL
Av. Agrupación Córdoba, 17. 14014 Córdoba (Córdoba)
22

PEGOLAND PROFESIONAL ELITE GRIS
Nº: 105285
EN-12004:2008+A1:2012

Highly deformable improved cementitious adhesive with reduced slip and extended open time, for floor and wall coverings, interior and exterior. Special for facades, large surface pavements, radiant heating floors, overlays, cold rooms, swimming pools and cementitious waterproofing.

Reaction to fire:	Class E
Adhesion:	
- Initial tensile adhesion	≥ 1N/mm^2
Durability:	
Tensile adhesion after immersion in water	≥ 1N/mm^2
Tensile adhesion after thermal aging	≥ 1N/mm^2
Tensile adhesion after freeze/thaw cycles	≥ 1N/mm^2
Hazardous substances	See safety data sheet

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.

Rev. 24_02 · This revision cancels all previous ones. Please, obtain the latest version from our web site · www.grupopuma.com · (+34) 957 76 40 40

grupopuma

PEGOLAND® PROFESIONAL ELITE

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

Rev. 24_02 : This revision cancels all previous ones. Please, obtain the latest version from our web site · www.grupopuma.com · (+34) 957 76 40 40

grupopuma