

PEGOLAND® UNO

Cement-based adhesive

ISO 13007
C1
EN 12004

TESTED ACCORDING TO STANDARD ANSI 118.1

PRODUCT CONFORMITY
AL SAFAT - GREEN BUILDING
Certificate No. CL18020594

DESCRIPTION

Tile adhesive. For setting indoor and outdoor ceramic flooring, and indoor walls. Suitable for bonding ceramic tiles with a medium-high absorption rate. Ideal for conventional cement-based substrates. In addition, this cement-based adhesive has good workability and high bond strength.

TECHNICAL CHARACTERISTICS

Product based on high resistance cement, selected aggregates, additives and synthetic resins which contribute to good workability and excellent bonding.

ADVANTAGES AND USES

- To be applied on interior walls and floors or on exterior floors.
- Suitable for ceramic tiles with a medium-high absorption rate.

SUITABLE SUBSTRATES

- Conventional cement-based substrates.
- Substrates must be resistant, stable, sound and clean, free of dust, demolding agents, organic products, etc.
- All substrates must have the appropriate flatness. Otherwise, smooth down up to 5 mm with the same product 48 hours prior to bonding.
- In case of greater thickness should be used:
  - On floors: Depending on the particular need use PAVILAND SL10 / PAVILAND SL 10R.
  - On walls: mortars with adequate tensile strength with drying shrinkage already completed.
- In case of hot or windy weather conditions or when applying over absorbent substrates, it is advisable to wet the substrate and wait till the thin layer of water disappears.
- On outdoor flooring, substrates must have a gradient equal or superior to 1%.

Rev. 2025_10 · This revision cancels all previous ones. Please, obtain the latest version from our web site · www.pidilitepuma.com



Pidilite Puma

PEGOLAND® UNO

APPLICATION PROCEDURE

- Add water and mix by hand or mechanically until it takes on an even and workable consistency.
- Let the mixture stand for 5 minutes and remix.
- Spread the mixed product on the substrate with a trowel to a maximum surface area of 2m².
- Spread with a notched trowel to adjust thickness (see chart).
- Place the pieces on the fresh adhesive, pressing and moving until the grooves are completely crushed and the entire surface of the ceramic is properly adhered, periodically check the stickiness of the adhesive by lifting a previously laid tile, if a non-transfer film appears on the surface of the adhesive, or dehydration of the adhesive, proceed to remove the material and apply a new product.
- Laying the tiles by a double glueing method outdoors, for formats greater than 900cm², if using levelling systems or if the tiles have a relief such as that good contact with the adhesive is difficult.
- Observe construction joints (expansion, contraction, fraction, perimeter corner joints) and the joints between the cement slabs (minimum of 2 mm inside and 5 mm outside).
- Joints should be grouted 24 hours after if on vertical surfaces, and 48 hours after if on floorings. Use the appropriate mortar from the MORCEMCOLOR range, depending on the type of joint.

NOTE: For better results lay tiles as soon as possible after spreading.

NOTCHED-TROWEL PANEL

Maximum weight of tiles in vertical faces: 30 kg/m2

TILE FORMAT	NOTCHED TROWEL	BONDING
< 100 cm²	U4 (4 x 4 x 4)	Simple
≤ 450 cm²	U6 (6 x 6 x 6)	Simple
≤ 900 cm²	U6 (6 x 6 x 6) / U9 (9 x 9 x 9) ó n10	Double-Simple
> 900 cm²	U9 (9 x 9 x 9) ó n10	Double

RECOMMENDATIONS

- Application temperature range from 5ºC to 40ºC.
- Avoid application when there is a risk of frost, rain, strong wind or direct sunlight.
- Avoid application in areas where water may accumulate.
- Avoid application on gypsum plaster or paint
- Under extreme weather conditions (gusty winds or high temperatures) drying may occur faster.
- In pavements and coverings with a surface greater than 50 m² in interiors and pavements with a surface greater than 30m² in exteriors or in elongated surfaces of more than 15 linear meters it is recommended to leave partition or fractioning joints filled with a deformable material of the PUMALASTIC range.
- In case of Indoor floor tiled areas larger it is recommended to leave a free perimeter joint between the tiles and the wall or pillar of about 5 mm hidden by the plinth. These joints must be filled with a deformable grout among PUMALASTIC range.
- In case of tiles reinforced with fiberglass mesh on their back, ask the technical department.
- Do not use the spot bonding technique.
- Working and setting times of the adhesive depend on the temperature, air streams, and the absorption of tiles and substrates.
- When working with tiles that can be stained due to their high water absorption should be placed with PEGOLAND FAST FLEX C2FTE S1

PACKAGING AND STORAGE

20 and 25kg plastic-lined paper bags.
Shelf life: 1 year in sealed original packaging, sheltered from weather conditions and humidity.

Rev. 2025_10 · This revision cancels all previous ones. Please, obtain the latest version from our web site · www.pidilitepuma.com ·

Pidilite Puma

PEGOLAND® UNO

TECHNICAL DATA

(Statistical data obtained under standard conditions)

Aspect	WHITE or GREY powder
Mixing water ratio	Pegoland UNO White: 24±1%
	Pegoland UNO Grey: 25±1%
Adjustment time	Approx. 20 min. (depending on weather conditions)
Paste shelf life	Approx. 2 hours (depending on weather conditions)
Complies with	ANSI 118.1
Approximate yield	Simple gluing: 4 Kg/m^2
	Double gluing: 6 Kg/m^2

UNE-EN 12004 Classification	C1	
ISO 13007 Classification	C1	
According to EN 12004 and ISO 13007	**Specification**	**Results**
Tensile adhesive strength (28 day cure)	≥ 0,5 N/mm^2	1,1 - 1,79
Tensile adhesive strength heat ageing	≥ 0,5 N/mm^2	0,7 - 1,61
Tensile adhesive strength after water inmersion	≥ 0,5 N/mm^2	0,8 - 1,26
Tensile adhesive atrength open time 20 min	≥ 0,5 N/mm^2	0,8 - 1,3

LEGAL DISCLAIMER

The information and instructions in this datasheet are based on our current tests and technical knowledge. They are intended as general guidance and do not constitute a binding commitment by PIDILITEPUMA MEA CHEMICALS LLC. It is the sole responsibility of the user to verify, prior to use, that the product is suitable for the intended application and to ensure that it is applied correctly and in accordance with applicable regulations and good industry practice.

PIDILITEPUMA MEA CHEMICALS LLC cannot control how its products are applied on site throughout the entire project and therefore cannot accept responsibility for their application by contractors or other parties involved in the execution of the work. Support visits to the jobsite by our technical staff do not change that. Our responsibility is limited exclusively to defects that can be directly attributed to the supplied products, whether used individually or as part of a system, caused by manufacturing defects.

It is the responsibility of the project designer, site manager, contractor, or other relevant professionals to ensure that the selected products are appropriate for the specific project, taking into account their properties, the substrate, site conditions, and any existing issues.

In the event of a claim, the original packaging must be provided to ensure proper product traceability.

Any performance values stated for PIDILITEPUMA MEA CHEMICALS LLC products or construction solutions, whether in UNE standards or other applicable standards, are based solely on the specific test conditions defined in those standards (such as substrate type, temperature, and humidity). These values may not apply to situations where products are tested or used under different conditions.

Rev. 2025_10 · This revision cancels all previous ones. Please, obtain the latest version from our web site · www.pidilitepuma.com ·

Pidilite Puma