



## PEGOLAND® PORCELÁNICO

Cement-based adhesive with mixed binders



### DESCRIPTION

Tile adhesive made of mixed bonding agents with reduced sliding and expanded open time, for the placement of all types of ceramic pieces, granite and marble parts on interior and exterior pavement and interior coverings.

### TECHNICAL CHARACTERISTICS

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

### ADVANTAGES AND USES

- To be applied on interior walls and floors or on exterior floors.
- Swimming pool facings.
- Suitable for all types of ceramic tiles, granite, marble and natural stone parts.
- No need to wet tiles or substrates thanks to its high water-retaining capacity.
- Long open time. Allows rectification.
- Reduced sliding. Excellent initial adherence.

### SUITABLE SUBSTRATES

- Conventional cement-based substrates.
- Indoor ceramic cladding and flooring.
- 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 10R NIVELAND 10 R or PAVILAND RECERCIDO AUTONIVELANTE.
  - 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.
- Do not apply on clay or on paint.
- On outdoor flooring, substrates must have a gradient equal or superior to 1%.

### 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, on floors of commercial or industrial use, if there is underfloor heating, when laying ceramic sheets, if using levelling



# TILE AND STONE ADHESIVES

## PEGOLAND® PORCELÁNICO

### NOTCHED-TROWEL PANEL

- systems or if the tiles have a relief such as that good contact with the adhesive is difficult.
- Respect the construction joints (expansion, shrinkage, fraction, perimeter corner joints) and between tiles (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.

| Maximum weight on vertical surfaces: 40 kg/m <sup>2</sup> |                                       |               |
|-----------------------------------------------------------|---------------------------------------|---------------|
| TILE FORMAT                                               | NOTCHED TROWEL                        | BONDING       |
| < 100 cm <sup>2</sup>                                     | U4 (4 x 4 x 4)                        | Simple        |
| ≤ 450 cm <sup>2</sup>                                     | U6 (6 x 6 x 6)                        | Simple        |
| ≤ 900 cm <sup>2</sup>                                     | U6 (6 x 6 x 6) / U9 (9 x 9 x 9) ó n10 | Double-Simple |
| > 900 cm <sup>2</sup>                                     | U9 (9 x 9 x 9) ó n10                  | Double        |

### RECOMMENDATIONS

- Do not apply below 5°C nor above 30°C.
- Do not apply when there is a risk of frost, rain, strong wind or direct sunlight.
- Do not apply in areas where water may accumulate.
- Under extreme weather conditions (gusty winds or high temperatures) drying may occur faster.
- Tiled areas of walls and floors above 50 m<sup>2</sup> indoor and 30 m<sup>2</sup> outdoor or elongated more than 15 linear m it is recommended to divide them with joints filled with a deformable grout.(PUMALASTIC-PU).
- 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.
- Check that the gypsum board is firmly fixed before applying on it.
- For gypsum based substrates, use PEGOLAND PORCELÁNICO YESO or LINEA PEGOLAND PROFESIONAL, avoiding slaked or poor plaster.
- For slate and parts that are sensitive to humidity use PEGOLAND FLEX RECORD or PEGOLAND PROFESIONAL FLEX ELITE.
- The swimming pool can be refilled after 7 days of applying the adhesive.
- The watertightness of the swimming pool must be ensured by the filling to check for leaks.
- In case of tiles reinforced with fiberglass mesh on their back, ask the technical department.
- Do not use the technique known as by globs.
- 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 quick-setting adhesives.
- Parts that may become stained due to high water absorption should be placed with quick-setting adhesives. Use PEGOLAND FAST FLEX C2FTE S1.

### PACKAGING AND STORAGE

25 kg plastic-lined paper bags.

Shelf life: 1 year in sealed original packaging, sheltered from weather conditions and humidity.

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### TECHNICAL DATA

|                                                       |                                                   |
|-------------------------------------------------------|---------------------------------------------------|
| (Statistical data obtained under standard conditions) |                                                   |
| Aspect                                                | WHITE or GREY powder                              |
| Adjustment time                                       | Approx. 30 min. (depending on weather conditions) |
| Paste shelf life                                      | Approx. 2 hours (depending on weather conditions) |
| Initial tensile adhesion strenght                     | $\geq 0,5 \text{ N/mm}^2$                         |
| Tensile adhesion strenght after water immersion       | $\geq 0,5 \text{ N/mm}^2$                         |
| Tensile adhesion strenght after heat ageing           | $\geq 0,5 \text{ N/mm}^2$                         |
| Tensile adhesion strenght after freeze-thaw cycles    | $\geq 0,5 \text{ N/mm}^2$                         |
| UNE-EN 12004 Classification                           | C1 TE                                             |
| Approximate yield                                     | Simple gluing: 4 Kg/m <sup>2</sup>                |
|                                                       | Double gluing: 6 Kg/m <sup>2</sup>                |

### 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.

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