



# NIVELAND® 5

Self-leveling mortar for layers of up to 5 mm



## DESCRIPTION

Self-levelling mortar for indoor floors preparation. Once hardened, it is suitable for all kind of light floorings (tiles, parquet, fitted carpet, etc.).

## TECHNICAL CHARACTERISTICS

Product based on special cements, selected aggregates and additives.

## ADVANTAGES AND USES

- Indoor floor levelling.
- High mechanic resistance.
- Good superficial hardness.
- Easy to apply.
- Excellent fineness.
- Excellent levelling qualities.
- Up to 5 mm thickness.

## SUITABLE SUBSTRATES

- Concrete, mortar flooring and similar elements.
- Substrates must be resistant, stable, sound and clean, free of dust, demolding agents, organic products, etc.
- Apply Paviland Primer R to avoid the formation of air bubbles in the cladding and in order to improve its adherence to the substrate according to the instructions given in the technical data sheet of the product.
- If necessary prepare the substrate mechanically so that the surface is free from grout and has the appropriate porosity.
- Before applying NIVELAND 5, any possible hollows and cracks should be adequately repaired using the Paviland or Morcem Rest adequate product, according to the nature of the substrate and the type of reparation required.
- Before applying the paste, make sure that residual moisture is below the recommended proportion (less than 3%).

## APPLICATION PROCEDURE

- Add water (5.5 to 6 litres per bag) and mix with a low-speed mechanical mixer (500 rpm approx.) until you have an even and fluid paste.
- Let the mixture stand for 2 minutes and remix.
- The manipulation time of the paste is 20 minutes, depending on the weather conditions.
- Pour the mixed product on the base to be set and spread with a levelling trowel.
- The recommended thickness is 2 – 5 mm. applied in one coat.

## 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 on humid floors or when there is a risk of humidity.
- Do not add water once it starts to harden.
- Do not apply outdoors.
- On surface areas greater than 20 m², it is advisable to make partition joints (of 6mm minimum), filling them

# FLOORING

## NIVELAND® 5

### PACKAGING AND STORAGE

### TECHNICAL DATA

### CE MARK

### ENVIRONMENTAL PRODUCT DECLARATION (EPD)

with an elastic material, such as PUMALASTIC MS or PU.

- Movement joints on the original substrate must be respected and perimetric joints made.
- The surface coat should be protected against an extremely fast drying, specially under high temperatures or heavy winds conditions.
- Before placing the final pavement, you should check the residual humidity of the floor and confirm it is adequate for the type of flooring to be installed.

25 kg plastic-lined paper bags.

6 months in sealed original packaging, sheltered from weather conditions and humidity.

(Statistical data obtained under standard conditions)

|                                                         |                                           |
|---------------------------------------------------------|-------------------------------------------|
| Aspect                                                  | GREY powder                               |
| Setting starting time                                   | < 90 min.                                 |
| Time to wait before walking on surface                  | 4 - 5 hours                               |
| Sanding time                                            | 8 - 12 hours                              |
| Cladding time tiling or wall-to-wall carpet starting    | 24 hours later                            |
| Cladding time timber, synthetic floor or paint starting | 24 hours later                            |
| Resistance to compression                               | >20 N/mm <sup>2</sup>                     |
| UNE-EN 13813 Classification                             | CT C20 F6                                 |
| Resistance to bending                                   | >6 N/mm <sup>2</sup>                      |
| Approximate yield                                       | 1,5 Kg/m <sup>2</sup> per mm of thickness |

NOTE: Times shown relate to 23°C temperature and 50% relative humidity. Such times are shorter at higher temperatures and longer at lower temperatures.

|                                                                                                                                                                                                              |          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
|                                                                                                                          |          |
| <p>GRUPO PUMA SL</p> <p>Avda. AGRUPACIÓN CÓRDOBA, 17</p> <p>14014 CÓRDOBA</p> <p>05</p> <p>Nº:500544-01</p>                                                                                                  |          |
| <p>EN 13813</p> <p><b>NIVELAND 5</b></p> <p>Self-levelling mortar for indoor floors preparation, installation of light floorings such as tiles, parquet, fitted carpet, etc. Thickness from 1mm to 5 mm.</p> |          |
| Fire reaction                                                                                                                                                                                                | Clase A1 |
| Emission of harmful substances                                                                                                                                                                               | CT       |
| Compressive Strength                                                                                                                                                                                         | C20      |
| Flexural Strength                                                                                                                                                                                            | F6       |

Cement based mortar prepared with aggregates that are supplied close to the production center, which

### LEGAL DISCLAIMER

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.

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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