



# PAVILAND® INDUSTRIAL

Mortar for industrial flooring



## DESCRIPTION

Powder product, which, when applied on fresh concrete, it makes a monolithic layer with great resistance to abrasion. Suitable for industrial floors. Paviland Industrial has excellent mechanical strength and great resistance to abrasion. Available in a wide range of colours. Resistant to open air.

## TECHNICAL CHARACTERISTICS

Product based on high strength Portland cement, selected aggregates, pigments, and great purity additives.

## ADVANTAGES AND USES

- Industrial warehouse flooring.
- High mechanical strengths.
- High resistance to abrasion.
- Colour range.
- Resistant to open air.

## APPLICATION PROCEDURE

- Prepare the substrate with suitable meshes for concrete reinforcement.
- Protect the areas to be cleaned.
- Pour the concrete and smooth with a trowel.
- Levels are set to even out the surface.
- The levelling of the concrete can be done with vibrating trowels or manually.
- Use the concrete helicopter to open the concrete.
- Sprinkle the wearing layer formed by PAVILAND INDUSTRIAL on the fresh concrete.
- Use the helicopter again, homogenising the wearing course, until it is completely smooth and hardened.
- The surface layer must be protected from drying too quickly, avoiding dehydration of the mortar, especially in conditions of elevated temperature and/or strong wind, recommending the use of protection and/or curing resins from the PAVILAND RESINA range for this purpose.
- Cut and clean expansion joints.

## RECOMMENDATIONS

Preventive measures and advice based on the Spanish Structural Code:

- Do not apply the product under risk of frost, rain, or strong winds.
- Once the concrete has been placed, it should be protected from the sun and especially from the wind to prevent it from drying out.
- In general, concreting will be suspended whenever it is anticipated that the ambient temperature may drop below zero degrees Celsius within the next 48 hours.
- Use gloves and protective goggles when manipulating the product.
- This product contains cement. Avoid direct contact with eyes and skin and avoid inhalation of dust. The characteristics of the concrete (water-cement ratio, strengths, etc.) will have an important influence on the final characteristics of the floor.
- In the final finish colour changes may occur due to variations caused by the base concrete.



### PACKAGING AND STORAGE

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

### TECHNICAL DATA

(Statistical data obtained under standard conditions)

|                                        |                                            |
|----------------------------------------|--------------------------------------------|
| Appearance                             | COLOURED powder                            |
| Apparent density of powder             | 1.9 ± 0.2 g/cm³                            |
| Approximate performance                | 4 Kg/m² for an average thickness of 0.5 cm |
| Bending (UNE-EN 1015-11)               | > 6 N/mm²                                  |
| Compression (UNE-EN 1015-11)           | > 35 N/mm²                                 |
| Abrasion (UNE-EN-12808-2)              | < 600 mm³                                  |
| Böhme Wear Strength (UNE – EN 13892-3) | A9 (máx. 9,0 cm³/50 cm²)                   |
| Grain size                             | max. 2 mm                                  |
| Tensile Strength (UNE-EN 1015-12)      | > 1 N/mm²                                  |

### CE MARK

|                                                                                                                                                |                  |
|------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
|                                                              |                  |
| <p>GRUPO PUMA ESPAÑA SL<br/>Avda. Agrupación Córdoba, 17 - 14014 - CÓRDOBA<br/>14014 CÓRDOBA<br/>18</p>                                        |                  |
| <p>PAVILAND INDUSTRIAL<br/>No. 500025-01<br/>EN 13813</p>                                                                                      |                  |
| <p>CT C35 F6 A9 type powder product, which, when applied on fresh concrete, it makes a monolithic layer with great resistance to abrasion.</p> |                  |
| Fire reaction                                                                                                                                  | A1 Type          |
| Emission of harmful substances                                                                                                                 | CT               |
| Compressive Strength                                                                                                                           | C35              |
| Flexural Strength                                                                                                                              | F6               |
| Wear Strength Böhme                                                                                                                            | A9               |
| Dangerous substances                                                                                                                           | Check Safe 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.

### 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.