



## PAVILAND® PLUS

Mortar for 5 to 20 mm stamped flooring with high abrasion resistance



### DESCRIPTION

Mortar for high abrasion resistance stamped pavements in 5 to 20 mm thickness. Fine texture and stamping. Suitable to replace ordinary pavements (slabs, bricks, stones, slate and any continuous flooring with industrial finish). Can be used as a hydration layer (fresh over fresh).

### TECHNICAL CHARACTERISTICS

Product based on hydraulic bonding agents, silica aggregates, synthetic resins and organic pigments.

### ADVANTAGES AND USES

Substrates must be clean and free of dust, oil, paint, loose particles, etc. Repairs to damaged or deteriorated pavement.

### SUITABLE SUBSTRATES

- Concrete, cementitious floorings or substrates with a suitable resistance or similar strength. In case of working with other substrates, please consult our technical department.
- Substrates must be resistant, stable, sound, and clean, free from dust or any other kind of substances, organic products, paintings, loose parts, etc.
- If necessary prepare the substrate mechanically so that the surface is free from grout and has the appropriate porosity.
- Before applying PAVILAND PLUS, any possible hollows and cracks should be adequately repaired using the Niveland, Paviland or Morcem Rest adequate product, according to the nature of the substrate and the type of reparation required.
- Wet the substrate and wait for the water film to disappear.
- Spread a layer of PAVILAND PLUS only when the primer PAVILAND PRIMER R is completely dry and has a transparent color.

### APPLICATION PROCEDURE

- Add 3,5 liters of water for every 25Kg bag of PAVILAND PLUS and mix manually or mechanically until a homogeneous consistency is reached.
- Pour manually or with a mechanical pump. Level out with a flat straight tool. Pass a float to close the pores in the surface.
- Allow some time and then add PAVILAND DEMOLDING to avoid adherence of concrete to the molds.
- The moulds are set and pressed uniformly, so that the pattern is stamped in an even way.
- Wait 72 hours and then clean the demolding agent from the flooring by means of water pressure jet.
- Finish the flooring by applying a hardening resin (the use of a pump is highly recommended).

### OTHER FINISH

a) Regular finish: Cover the surface with one of the resins in our Paviland System after the pavement has cured. The resin is to be applied with a hand pump between 10 and 30°C. Allow 3 days for maximum resistance.

### RECOMMENDATIONS

b) Continuous finishing: when the product has reached the necessary resistance to support the weight of an operator, we will proceed to mechanical trowelling, preferably with a trowel to achieve the maximum planimetry. After about 15 days or when it has hardened sufficiently, we will proceed to its polishing and brightening:

- Application of the chosen mineralizer within the range Paviland Mineralizador
- Polish with a rotating machine.
- Polished.

- 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.
- Use protective gloves. The appearance corresponds to the color stated in the package.
- Do not add sand, cement, or any other type of product that might modify the original formulation.
- Once the product has been mixed and sufficient time has passed do not add any more water.
- In floors with areas superior to 20 m<sup>2</sup> or more than 10 lineal meters it is recommended to make partition floor joints, delimiting working areas, with around 6mm joints which can be refilled with PLUMALASTIC MS or PU.
- The joints from the original base need to be respected and perimeter joints have to be made.

### 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)

| Aspect                                          | COLOURED powder         |
|-------------------------------------------------|-------------------------|
| Apparent powder's density                       | 2 g/cm <sup>3</sup>     |
| pH                                              | 10                      |
| Yield                                           | 2 Kg/m <sup>2</sup> /mm |
| Flexural Strength 28 days (UNE – EN 13892-2)    | >8 N/mm <sup>2</sup>    |
| Compressive Strength 28 days (UNE – EN 13892-2) | >30 N/mm <sup>2</sup>   |
| Wear resistance (UNE-EN-13982-3)                | A15                     |

### 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 PUMA'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.