
# PAVILAND® INDUSTRIAL 15R AUTONIVELANTE

Self-levelling, fast drying industrial flooring mortar for interior use.

CE
EN 13813
CT C40 F5 A12 B2

GlobalEPD
A VERIFIED ENVIRONMENTAL DECLARATION

## DESCRIPTION

Self-levelling, normal setting flooring mortar, pumpable, for levelling and smoothing interior industrial flooring. This product has high mechanical and substrate bonding strength once hardened. Thicknesses from 5 to 15 mm. For interiors: suitable as a finishing coat or base coat to be covered with fine coverings that provide the floor with greater chemical or physical protection, or for a more aesthetic finish. Self-levelling paving ideal for use in the cold season.

## TECHNICAL CARACTERISTICS

Product based on special cements, selected aggregates, resins and additives.

## ADVANTAGES AND USES

- Fast turnaround.
- Perfect for using in cold periods where the normal drying processes of self-levelling floors need a longer turnaround time.
- High mechanical strength.
- Pumpable.
- Levelling and refurbishment of new and renovated industrial concrete floors.
- Creation of high abrasion-resistant floors.
- Refurbishment of indoor car park floors without the need for protective covering.
- Low shrinkage.
- Strong mechanical bonding to application base.

## SUITABLE SUBSTRATES

- Suitably resistant concrete (minimum compressive strength 25 N/mm$^2$ and tensile strength of 1.5N/mm$^2$ ) open pore and slightly rough finish. For use on other substrates, please consult our technical department.
- Substrates must be resistant, stable, sound and clean, free of dust, demoulding agents and organic products, etc.
- Before applying PAVILAND INDUSTRIAL 15R AUTONIVELANTE first repair any cracks and/or fissures on the substrate with suitable products from our MORCEMREST concrete repair range.
- Apply primer Paviland Primer R to avoid any air bubbles in the flooring and to improve the adherence to the substrate.
- Before applying the mortar, ensure that there is no capillary humidity.

## APPLICATION PROCEDURE

- Define and mark the maximum height of the sill.
- The pouring area must be established avoiding areas with different setting times, for which the means available for carrying out the work, the environmental conditions and the open time of the mortar must be considered. Confining pouring areas beforehand can also be used to make partition joints, avoiding them being made later by cutting.
- Mix the product with water (4,25-4,75 litres per 25 kg bag) mechanically, with a low speed mechanical mixer (approx. 500 rpm). First mix the whole bag with 2/3 of the recommended quantity of water until a consistent paste has been obtained without any lumps while adding the rest of the water.





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- The quantity of water given in this datasheet is the recommended amount to avoid any shrinkage or separation of product or lowering in mechanical strengths.
- Leave the mixture to rest for 2 minutes before using.
- For using on large areas it is advisable to pump the mixture with a double helical pump at 20 to 40 L/minute. This operation increases the maximisation of turnaround times.
- Spread manually with a metal levelling trowel once the primer has hardened. Next, pass over with a spiked nylon roller.
- Respect structural joints and carry out perimeter and portioning joints.
- It is not necessary to cover PAVILAND INDUSTRIAL 15R AUTONIVELANTE mortar as it comes ready to use as a finishing coat.
- They may be finished with paints from the PAVILAND PINTURA range or resin coverings from the PAVILAND range. In this case it could eventually be necessary to prepare the surface prior to application to remove any possible remains of grout. The maximum humidity requirements of the covering should also be taken into consideration.

## RECOMMENDATIONS

- Do not apply in temperature under 5ºC nor above 30ºC.
- Do not apply when there is a risk of frost, strong wind or direct sun.
- Not recommended for exterior use.
- Do not apply on floor with humidity or with a risk of having it.
- Keep in mind the working time of the product for the planning of the work.
- Use gloves or protective goggles when applying product. Keep out of the reach of children.
- Do not add sand, cement or any other product that modifies the original formula.
- Once the product has been mixed and the resting time has occurred, do not add additional water.
- For floors larger than 20 m2 or longer than 10 lineal metres, it is advisable to make partitioning joints, delimiting panels with 6 mm joints that can be sealed with PUMALASTIC MS or PU.
- Movement joints on the original substrate must be respected and perimeter joints made.
- The application of protection and/or curing resins of PAVILAND RESINA range of products is recommended to prevent the superficial layer from drying too quickly thus avoiding the dehydratation of the mortar, especially in conditions of high temperature and/or strong wind.

## PACKAGING AND STORAGE

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

## TECHNICAL DATA

(Statistical data obtained under standard conditions)

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|---|---|
| Appearance | Grey powder |
| Open time | 30 mins. |
| Turnaround time for foot traffic | 4 hours |
| Turnaround time for vehicle traffic | 7 days |
| Covering time | 24 hours |
| Expansion - Shrinkage | < - 0.5 mm/m |
| Compressive strength | >5 N/mm$^2$ (6 hours) |
| | >15 N/mm$^2$ (1 day) |
| | > 30 N/mm$^2$ (7 days) |
| | >40 N/mm$^2$ (28 days) |
| Approximate performance | 18 -20 kg/m$^2$ and cm of thickness |
| Classified according to UNE EN 13813 | CT C40 F5 A12 B2 |
| Thickness of application | 5 to 15 mm |

(*): The times refer to a temperature of 23ºC and 55% relative humidity. These are much shorter in higher temperatures and longer in lower ones.

# PAVILAND® INDUSTRIAL 15R AUTONIVELANTE

## CE MARK

CE

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24

EN 13813
**PAVILAND INDUSTRIAL 15R AUTONIVELANTE**
Self-levelling rapid cement floor, type CT-C40-F5-A12, for industrial use in interiors in thicknesses of 5 to 15 mm.

| | |
|---|---|
| **Reaction to fire** | Class A1 |
| **Emission of corrosive substances** | CT |
| **Resistance to compression** | C40 |
| **Resistance to bending** | F12 |
| **Wear resistance** | A12 |

## 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.





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