PAVILAND® INDUSTRIAL 25 AUTONIVELANTE

Self-levelling mortar for industrial floors. It can be used as a finish for interior applications and as a base for the final coating on outdoors industrial floors.

CE
EN 13813
CT C35 F7 A15 B1.5

EMISSIONS DANS L'AIR INTÉRIEUR
A+
A+ A B C

GlobalEPD
A VERIFIED ENVIRONMENTAL DECLARATION

DESCRIPTION

Self-levelling floor with normal setting, pumpable, for levelling and smoothing industrial floors. Product with great mechanical resistance and adherence to the substrate once hardened. Suitable for thicknesses from 5 to 25 mm. Indoor applications: suitable as a finishing coat or as a base to be covered with thin coatings that provide the pavement with greater chemical or physical protection or a more aesthetic finish. Outdoors: use only as base layer, never leave exposed (a coating is mandatory).

TECHNICAL CARACTERISTICS

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

ADVANTAGES AND USES

- Easy to apply, manually or mechanically.
- Pumpable.
- Levelling and renovation of concrete pavements in both new industrial buildings and renovation works.
- Creation of high resistance to abrasion pavements.
- Renovation of indoor car parks floors without the need of a final coating.
- Self-levelling outdoor flooring (coating required).
- Low shrinkage.
- Strong mechanical adhesion to the substrate.

SUITABLE SUBSTRATES

- Concrete of adequate resistance (minimum compression strength of 25 N/mm^2 and tensile strength of 1.5 N/mm^2), open pore and slight roughness. Please consult our technical department for other type of substrates.
- Substrates must be resistant, stable and sound. They must be clean and free of dust, remains of release agents, organic products, micro-organisms, etc.
- Before applying PAVILAND INDUSTRIAL 25 AUTONIVELANTE all potholes and cracks that may be present on the substrate should be properly repaired using products from the MORCEMREST range for concrete reparation.
- Apply Paviland Primer R to avoid the formation of air bubbles in the pavement and improve its adherence to the substrate.
- Before applying the mortar, make sure that is no rising damp from the ground.

APPLICATION PROCEDURE

- Mix the product with water (3.75 - 4.25 litres per each 25 kg bag) mechanically, using a low-speed mechanic mixer (500 rpm approximately). Mix first the complete bag with 2/3 of the total amount of water suggested until getting a homogeneous paste, free of lumps, then add the rest of the water.
- The amount of water suggested in this data sheet is the one recommended in order to avoid retractions, segregation of products or decrease in mechanical resistance.
- Let the mixture rest for two minutes before its application.

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- For the realization of large surfaces, it is recommended to pump the mixture with double-mix helical pumps to make it go from 20 to 40 litres/minute. This operation allows improving the labour performance. • Spread manually with a metal levelling trowel once the primer has hardened. Then go over it with a nylon spikes roller, in two directions, in order to remove any possible air that may remain inside the paste from the mixing process.
- Respect structural joints and carry out perimeter and partition ones.
- Paviland industrial 25 autonivelante does not need to be coated as it is already suitable as a finishing layer indoors. Outdoors it should always be covered.
- It may be covered using paints from our PAVILAND resins range. In this case, a previous preparation of the surface may be required in order to remove any superficial grout. Maximum humidity requirements of the coating should also be taken into account.

RECOMMENDATIONS

- Do not apply below 5º or above 30º.
- Do not apply the product with risk of frost, rain, strong winds or direct sun exposure.
- Do not apply on floors with humidity or at risk of having it.
- Use gloves and protective goggles when using the product. Keep away from children.
- Do not add any extra sand, cement or any other kind of product that may modify the original formula.
- Once the product has been mixed and its resting time has elapsed, do not add any additional water.
- For floors with surfaces greater than 20 m2 or more than 10 linear m, it is recommended to create partition joints, delimiting panels, with joints of about 6 mm that can be filled with PUMALASTIC MS or PU.
- Movement joints of the original substrate must be respected and perimeter joints must be made.
- The surface layer must be protected from drying too quickly, avoiding dehydration of the mortar, especially under high temperatures or heavy winds, hence, the use of protection and/or curing resins from the PAVILAND RESINA range is highly recommended.
- Due to the natural origin of the raw materials used, a uniform colour tone in the finish cannot be guaranteed.

PACKAGING AND STORAGE

Laminated paper bags of 25Kg each.

Storage up to 1 year in its original closed container, sheltered from open air and humidity.

TECHNICAL DATA

(Statistical data obtained under standard conditions)

Aspect	GREY powder
Open time (20 ºC)	30 mins
Opening time for pedestrian traffic (*)	24 hours
Opening time for road traffic (*)	7 days
Time to tiling with ceramic (*)	24 hours
Time for waterproof or moisture-sensitive coating (*)	7 days
Expansion - Retraction	< -0.6 mm/m
Compressive strength	(1 d) 10 N/mm^2
	(7 d) 25 N/mm^2
	(28 d) 35 N/mm^2
Approximate performance	17.5 - 18.5 kg/m cm of thickness
Thermal conductivity (tabulated)	1,10-1,30 W/mk
Classified according to UNE EN 13813	CT C35 F7 A15 B1
Application thickness	5 to 25 mm

(*) The times refer to a temperature of 23 ºC and 50% relative humidity. These are much shorter in higher temperatures and longer in lower ones

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CE MARK

CE

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PAVILAND INDUSTRIAL 25 AUTONIVELANTE
Nº: 501867
EN 13813
Self-levelling rapid cement floor, type CT-C35-F7-A15-B1, for industrial use in interiors in thicknesses of 5 to 15 mm.

Reaction to fire	Class E
Emission of corrosive substances	CT
Resistance to compression	C35
Resistance to bending	F7
Wear resistance	A15
Tensile strength	B1
Dangerous substances	See Safety Data 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.

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