

PAVILAND® INDUSTRIAL CR

Industrial flooring mortar with high resistance to abrasion.



GlobalEPD
A VERIFIED ENVIRONMENTAL DECLARATION

DESCRIPTION

Powder product, which, when applied on fresh concrete, it makes a monolithic coat with great resistance to abrasion. It has excellent mechanical strengths, and it is easy to clean. Suitable for industrial buildings floors subject to heavy traffic it is also suitable for logistic warehouse floors, shopping centre's car parks, or any other similar areas. Without dust formation on the surface.

TECHNICAL CHARACTERISTICS

High-strength Portland cement, selected aggregates of quartz, aluminium oxide (corundum) and iron silicates, pigments, and high purity additives.

ADVANTAGES AND USES

- High resistance to abrasion.
- High mechanical strengths.
- Easy to clean.
- Without dust formation on the surface.
- Flooring in industrial buildings subject to heavy traffic.
- Logistic warehouse floors.
- Shopping centre car parks.
- Sport courts.
- Resistant to open air.

APPLICATION PROCEDURE

- Prepare the substrate with suitable meshes for concrete reinforcement. Protect the areas to be cleaned.
- Draw out the desired levels.
- Spread and level the concrete with vibrating trowels or by hand.
- Use the concrete helicopter to open the concrete.
- Sprinkle the wear coat formed by PAVILAND INDUSTRIAL CR on the fresh concrete.
- Use the helicopter again, homogenising the wear coat, until it is completely smooth and hardened. It is not advisable to add extra water to achieve perfect hydration of PAVILAND INDUSTRIAL CR as this may reduce the mechanical strength.
- The surface coat 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.

FLOORING

PAVILAND® INDUSTRIAL CR

PACKAGING AND STORAGE

- 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.

Laminated paper bags of 25Kg each. Storage up to 1 year in its original closed container, sheltered from open air and humidity.

TECHNICAL DATA

(Statistic results are obtained under standard conditions)

Aspect	Coloured powder
Dust density	1,9 ± 0,2 g/cm ³
Approximate performance (*)	4 - 5 Kg/m ² for 0,5 cm thickness
Bending strenght (UNE – EN 1015-11)	> 6 N/mm ²
Compressive strenght (UNE – EN 1015-11)	> 50 N/mm ²
Abrasion resistance (UNE – EN 12808-2)	< 350mm ³
BCA wear resistance (UNE-EN 13892-4)	AR0.5
Böhme wear resistance (UNE-EN 13892-3)	A6 (máx. 6,0 cm ³ /50 cm ²)
Tensile strength (UNE-EN 1015-12)	> 1 N/mm ²
Granulometry	máx. 2 mm

(*) Performance can be increased depending on the tonality chosen and the colour of the concrete used.

Check with our technical department for white colour.

CE MARK

	
GRUPO PUMA ESPAÑA, S.L Avda. Agrupación Córdoba, 17 14014 CÓRDOBA 23	
PAVILAND INDUSTRIAL CR No. 510194 EN 13813 Powder product CT C50 F6 AR0,5 A6 type, which applied on Fresh concrete, forms a monolithic wear layer with great resistance to abrasion.	
Reaction to fire	A1 Class
Hazardous substances emission	CT
Compressive strength	C50
Flexural strength	F6
Wear resistance	AR0,5
BCA	
Böhme wear resistance	A6
Hazardous substances	See Safety Sheet

ENVIRONMENTAL PRODUCT DECLARATION (EPD)

Mortar made with aggregates close to the production centres, reducing greenhouse gas emissions associated with its transport and made in production centres with Environmental Management systems certified in accordance with the ISO 14001 standard, a firm commitment to sustainability and respect for the environment. Mortar with type III ecological label (the most demanding) Environmental Product Declaration externally verified 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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