



PAVILAND® ULTRA RÁPIDO

Fast-setting dry concrete

DESCRIPTION

Paviland® Ultra Rápido is a fibre-reinforced, shrinkage-compensated dry concrete designed for the fixing, bedding and repair of elements requiring high early strength and rapid traffic reopening. Typical applications include the installation of manhole frames, utility boxes, urban furniture, road repairs, backfilling and anchoring of traffic signs, and the repair of industrial floors. It offers excellent adhesion to concrete and allows for quick reopening to traffic.

TECHNICAL CHARACTERISTICS

Product based on cement, selected aggregates, and additives.

ADVANTAGES AND USES

- Fixing of manhole and inspection chamber frames, etc.
- Fixing of street furniture.
- Road repairs.
- Backfilling and anchoring of traffic signs and similar elements.
- Industrial floor repairs.
- Excellent adhesion on concrete.
- Rapid traffic reopening (2–3 hours).

SUITABLE SUBSTRATES

- Concrete, mortar floors and similar.
- Substrates must be resistant enough, stable, sound, and clean. Free of dust, release agents, organic products, etc.
- Before applying the paste, make sure that residual moisture is below the recommended one.

APPLICATION PROCEDURE

- Define and mark the maximum screed layer levels, enclosing the area where the concrete will be poured.
- Mix with water (approximately 11%) either mechanically or manually until a workable consistency is achieved.
- Apply the product, ensuring it is confined to the designated area with a minimum thickness of 2cm. The maximum thickness will depend on the area to be filled. It must be ensured that the mixed volume can be managed and placed properly, bearing in mind the product's rapid setting time. However, multiple layers of 10–15cm can be applied to achieve greater thicknesses.

RECOMMENDATIONS

- Do not apply the product at temperatures below 5°C or above 30°C.
- Do not apply under the risk of frost, rain, heavy wind, or direct sun light.
- Do not add sand, cement, or any other material that may alter the original formulation.
- Once the product has been mixed do not add any water.
- Keep in mind the product's workability time when planning the tasks.

FLOORING

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PACKAGING AND STORAGE

25 kg plastic bags. 48 bags per pallet (1200 kg).
Storage: 6 months in their original closed containers and protected from the weather.

TECHNICAL DATA

(Statistic results obtained in standard conditions)

Appearance	Grey and black powder	
Granulometry	Continuous from 0 to 6 mm	
Mixing water	11% +/- 1	
Opening to transit	2 hours after its application ⁽¹⁾	
Compressive strength	(2 hours)	≥ 25 N/mm ²
	(24 hours)	≥ 40 N/mm ²
	(7 days)	≥ 50 N/mm ²
	(28 days)	≥ 60 N/mm ²
28-days retraction	< 0,3 mm/m	
Adhesion to concrete	(24 hours)	>2,5 N/mm ²
	(28 days)	>3,0 N/mm ²
Workability time	10-15 minutes ⁽²⁾	
Yield	25 kg/m ² and cm of thickness	
Reaction to fire	A1 Class	

NOTE: The time given refers to a temperature of 23°C and 50% relative humidity. Timings are shorter at higher temperatures and longer at lower temperatures.

(1) Depending on mechanical stresses and environmental conditions

(2) Tested under standard laboratory conditions.

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