



# PAVILAND® SOLERA SELF-LEVELLING

## PAVILAND® SOLERA AUTONIVELANTE

Self-levelling flooring compound, normal setting, for levelling thick floors



### DESCRIPTION

Self-leveling mortar of great fluidity, normal setting and that once hardened creates a screed of great flatness and mechanical resistance. Suitable for interior self-leveling screeds from 10 to 50 mm in adhered screeds and from 50 to 100 mm in floating screeds. Once hardened, it should be covered by discontinuous pavements (ceramic and others). This self-leveling mortar has great leveling capacity, even in large thicknesses. Suitable for interior floor screeds. Radiant heating floors.

### COMPOSITION

Product based on cement, selected aggregates and additives.

### FEATURES AND APPLICATIONS

- High levelling capacity
- Interior floors: bonded up to 50 mm and screeds for thicknesses between 50 and 100 mm
- Suitable for floors with under floor heating
- Easy to apply thanks to its high fluidity and flatness.

### SUBSTRATES

- Substrates must be resistant, stable, sound and clean, free of dust, demoulding agents, organic products, etc.
- Before applying PAVILAND SOLERA SELF-LEVELLING compound, repair any cracks and/or fissures on the substrate with products from our Niveland, Paviland or Morcem Rest ranges, according to the nature of the substrate and repair to be made.
- For bonded floors (thicknesses lower than 50 mm) to concrete resistant substrates, first apply PAVILAND PRIMER R. For other substrates such as marble, ceramic etc, please consult our technical department.
- Floating screeds for thicknesses between 50 and 100 mm over insulating substrates, plastic membranes or vapour barriers. For other types of substrates please consult our technical department

### INSTRUCTIONS FOR USE

- Define and mark the maximum dimension of the floor.
- Mix the product with water (4.1-4.6 L per 25 kg bag) mechanically, with a low speed mechanical mixer (approx. 500 rpm) until a uniform mixture without lumps has been obtained. The exact quantity of water is very important to avoid product separation, high shrinkage and lowering of strengths.
- Leave the mixture to rest for 2 minutes.
- For large surfaces it is recommendable to pump the mixture with double helicoidal pump at 20 to 40 litres/minute. This operation permits the maximisation of using times.
- Spread manually with a metal levelling trowel once the primer has hardened. Next, pass a nylon spiked

# FLOORING

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### CAUTIONS AND RECOMMENDATIONS

- roller.
- Respect structural joints and make perimetral and partitioning joints.
- Paviland Solera Self-levelling compound must be protected by ceramic, wood, linoleum, etc.

- Do not apply under 5°C nor above 30°C.
- 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.
- 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 m or longer than 10 lineal metre 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 perimetral joints made.
- The surface coat must be protected from drying too quickly, especially in conditions with high temperatures and/or strong winds.
- Before laying the final flooring check the residual humidity of the floor and confirm it is adequate for the type of flooring to be installed.

### PACKAGING

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)

Appearance	GREY Powder
Open time	60 mins
Consistency	350-300 mm
Density of fresh product	2000±200 kg/m <sup>3</sup>
Trafficable after	24 hours
Covering time at +23o C / 50% h.r. and 4 cm	7 days
Compressive strength	>4 N/mm <sup>2</sup> (1 d)
	>15 N/mm <sup>2</sup> (7 d)
	>25 N/mm <sup>2</sup> (28 d)
Approximate performance	17-19 kg/m <sup>2</sup> and cm of thickness
Classified according to UNE EN 13813	CT C25 F5
Thickness of application	10 to 50 mm bonded floors
	50 to 100 mm floating floors

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### CE MARK

	
GRUPO PUMA SL Avda. AGRUPACIÓN CÓRDOBA, Núm. 17 14014 CÓRDOBA 15 Nº: 501863-01	
EN 13813 <b>PAVILAND SOLERA AUTONIVELANTE</b> Self-leveling screed mortar of normal-setting cement, type CT C25 F5, for bonded interior screeds up to 50 mm and unbonded up to 100 mm.	
<b>Reaction to fire</b>	Class A1
<b>Emission of corrosive substances</b>	CT
<b>Compressive strength</b>	C25
<b>Bending strength</b>	F5

### 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.

### NOTE

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.