



NIVELAND® 10R

Fast-drying self-leveling mortar for layers of up to 10 mm



DESCRIPTION

Self-levelling mortar fast and high performance, for indoor floors preparation. Once hardened, it is suitable for all kind of light floorings (tiles, parquet, fitted carpet, etc.). Mortar for levelling floors in interiors. High mechanical resistance and good resistance to abrasion. This self-levelling mortar is fast hardening and suitable for radiant heating. It has a high self-levelling power.

TECHNICAL CHARACTERISTICS

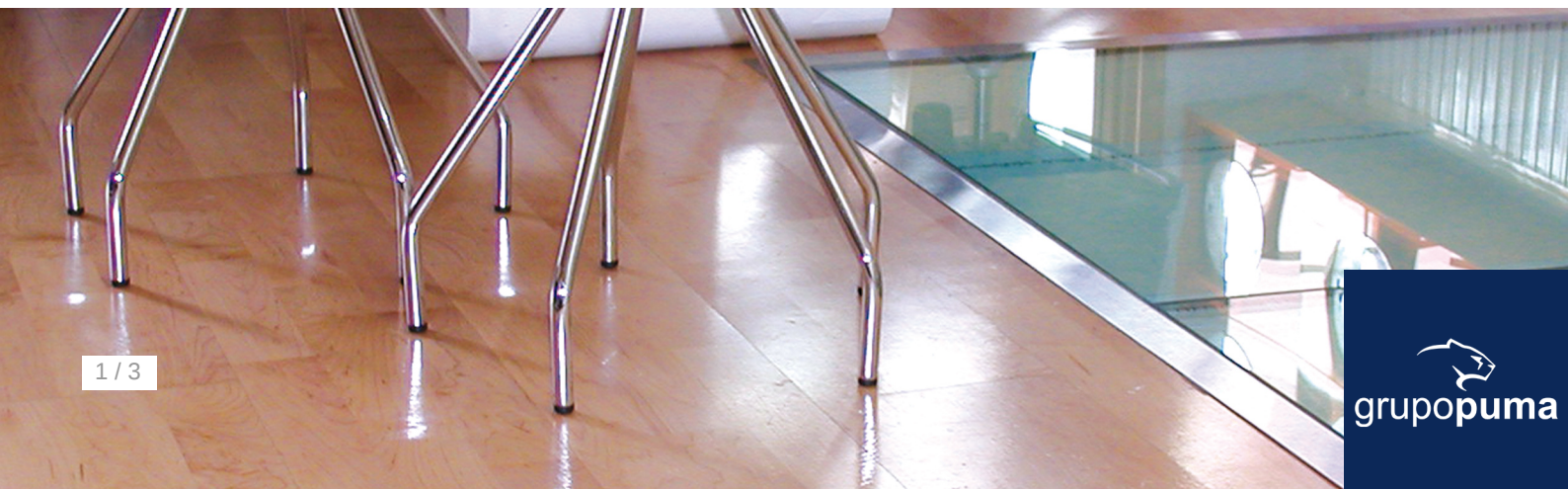
Product based on special cements, selected aggregates and additives.

ADVANTAGES AND USES

- Indoor floor levelling.
- High mechanic resistance.
- High resistance to abrasion.
- Excellent levelling qualities.
- Rapid setting.
- Up to 10 mm thickness.
- Suitable for radiant heating.

SUITABLE SUBSTRATES

- Concrete, mortar flooring and similar elements.
- Substrates must be resistant, stable, sound and clean, free of dust, demolding agents, organic products, etc.
- Apply Paviland Primer R to avoid the formation of air bubbles in the coating and improve its adhesion to the support.
- If necessary, prepare the surface by mechanical means, so that it has a surface without surface laitance and of adequate porosity
- Before the application of NIVELAND 10R, cokes and/or cracks must be properly repaired that could be found in the support using the products of the Paviland or Morcemrest range according to the nature of the support and the type of repair to be carried out
- Before applying the paste, make sure that residual moisture is below the recommended proportion (less than 3%).
- Fill voids or holes.



FLOORING

NIVELAND® 10R

APPLICATION PROCEDURE

- Define and mark the maximum level of the floor slab.
- The discharge area must be established avoiding zones with different setting times. For this to be achieved the means available to carry out the work must be considered, as well as the environmental conditions and the open time of the mortar. Partition joints can be performed by confining previously the discharge areas, avoiding their subsequent realization by cutting.
- Add the indicated water in the container and mix with a low-speed mechanical mixer (500 rpm approx.) until you have an even and fluid paste.
- Let the mixture stand for 2 minutes and remix.
- The manipulation time of the paste is 20 minutes, depending on the weather conditions.
- Pour the mixed product on the base to be set and spread with a levelling trowel.
- The recommended thickness is 2 – 10 mm. applied in one coat.

RECOMMENDATIONS

- Do not apply in temperature 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.
- Once the product has been mixed and the resting time has occurred, do not add additional water.
- Keep in mind the workability time of the product when planning of the works.
- 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 perimetric 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.

Application in floors with underfloor heating

- The heating system should be switched off at least 48 hours before the application.
- The heating system should be switched on gradually by increasing the temperature in 2-3 ° C intervals until the operating temperature is reached. This operation must be performed in stages for a period of 48 hours.
- Drying times must be respected before switching on the heating system. At least 48 hours.

PACKAGING AND STORAGE

25 kg plastic-lined paper bags.
6 months in sealed original packaging, sheltered from weather conditions and humidity.

TECHNICAL DATA

(Statistical data obtained under standard conditions)

Aspect	GREY powder
Adherence to cement	> 2 N/mm ²
Resistance to compression	>30 N/mm ²
Setting starting time	20 minutes
Time to wait before walking on surface	2 - 3 hours
Sanding time	4 - 8 hours
Cladding time tiling or wall-to-wall carpet starting	8-12 hours later
Cladding time timber, synthetic floor or paint starting	12- 24 hours later
UNE-EN 13813 Classification	CT C30 F5
Approximate yield	1,5 Kg/m ² per mm of thickness

NOTE: Times shown relate to 23°C temperature and 50% relative humidity. Such times are shorter at higher temperatures and longer at lower temperatures.

FLOORING

NIVELAND® 10R

CE MARK

	
GRUPO PUMA SL Avd. Agrupación Córdoba, 17 14014 CÓRDOBA 05 Nº:500551-01	
EN 13813 NIVELAND 10 R Quick-setting cement self-levelling paste, type CT-C25-F6, for the preparation of interior floors, the installation of lightweight flooring such as ceramic, parquet, carpeting, etc. For thicknesses from 1 to 10 mm.	
Reaction to fire	Class A1
Emission of corrosive substances	CT
Resistance to compression	C25
Resistance to bending	F6

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.