



NIVELAND® 30R

High performance levelling paste for thickness up to 15 mm or 30 mm with the addition of aggregate.



DESCRIPTION

High performance self-levelling mortar, for preparing interior floors that once they have hardened, are suitable for receiving all types of floor finishes: ceramic tiles, parquet, carpets, etc. Pumpable. Thickness from 2 mm to 15 mm, or 15 mm to 30 mm with the addition of aggregate.

TECHNICAL CHARACTERISTICS

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

ADVANTAGES AND USES

- Levelling uneven interior floors.
- High mechanical resistance and excellent adherence over cement mortar and concrete.
- Can be applied manually or by pump.
- Good workability.
- For smoothing floors in interior residential buildings with foot traffic before installing the final floor covering: ceramic tiles, parquet, carpet, PVC, lino, etc.
- Very smooth finish and durable hard surface.
- Suitable for floors with underfloor heating.
- Up to 30 mm thick with added aggregates.

SUITABLE SUBSTRATES

- Concrete, cement or floors with appropriate or similar strength. For use on other substrates, please consult our technical department.
- Substrates must be resistant, stable, sound and clean, free of dust, demoulding agents, organic products, etc.
- If necessary, prepare the substrate mechanically so that the surface is free from grout and has the appropriate porosity.
- Before applying NIVELAND 30 repair any cracks and/or fissures with products from the Niveland, Paviland or Morcem Rest ranges, according to the nature of the substrate and type of repair to be carried out.
- Apply the primer Paviland Prymer R to avoid any air bubbles in the covering and to improve the adherence of the substrate.
- Before applying the paste, ensure that the residual humidity is below the recommended level (lower than 3%).

APPLICATION PROCEDURE

With a pumping machine:

- Use a mixing pump in 2 stages, adding water until the required fluidity has been obtained.
- Spread the product with a levelling trowel until the required thickness has been obtained.

By manual mechanical mixing.

- Mix the product with water (6 - 6.5 litres per 25 kg bag) mechanically, with a low speed mechanical mixer (approx. 500 rpm) until a uniform mixture without lumps has been obtained. It is essential to add the exact specified amount of water to avoid product separation, shrinkage and lowering of strengths.
- Let the mixture stand for 2 minutes and remix.
- Pour the mixed product over the fixing substrate and spread with a levelling trowel until the desired

RECOMMENDATIONS

- thickness has been obtained.
- In both cases it is recommendable to apply with a spiked roller, briskly, in both directions so as to avoid trapped air.
- The minimum recommended thickness is 2 mm and the maximum is 15 mm applied in one single coat.
- It is possible to use a thickness of between 15 and 30 mm. In which case, add 30% (7.5 kg per 25 kg bag) of quartz sand, grain size 0.6 – 1.0 mm or 1.0 – 2.0 mm. The addition of aggregate makes the mortar lose some of its "self-levelling" properties.
- Respect structural joints and carry out perimeter and portioning joints.
- NIVELAND 30 must be protected, as it is not an appropriate material to remain uncovered.

- 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.
- Use gloves or protective goggles when applying product. Keep out of the reach of children.
- The only possible addition is that given in the user instructions for thicknesses above 15 mm.
- Once the product has been mixed and the resting time has occurred, do not add additional water.
- 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 perimetal 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 AND STORAGE

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	20 mins.
Adhesion	>1.5
Expansion - Shrinkage	< -0.3
Trafficable in (*)	2 hours
Sanding time (*)	4 hours
Covering time (*)	Tiles or carpet: 6 hours
	Parquet floor or synthetic covering: 24 hours
	>5 N/mm ² (6 hours)
Compressive strength	>15 N/mm ² (24 hours)
	>35 N/mm ² (28 days)
Approximate performance	1.65-1.75 Kg/m ² and mm of thickness
Classified according to UNE EN 13813	CT C35 F6
Thickness of application without the addition of aggregate	2 to 15 mm
Thickness of application with the addition of aggregate	15 to 30 mm

(*): The times refer to a temperature of 23°C and 55% relative humidity. These are much shorter in higher temperatures and longer in lower ones.

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

FLOORING

NIVELAND® 30R

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.

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