NIVELAND® 30R

Self-leveling mortar of high performance and fast hardening for thicknesses up to 30 mm.

CE EN 13813 CT C30 F6 B1,5 · GlobalEPD A VERIFIED ENVIRONMENTAL DECLARATION · AESTHETIC · QUICK COMMISSIONING

DESCRIPTION

Self-levelling mortar for the preparation of interior floors, which, once it gets hard, it is suitable for any kind of floors (ceramic, wooden flooring, carpet, etc.) 2 to 30 mm thickness. Levelling mortar for interior irregular floors. High mechanical strength and excellent adhesion on cementitious and concrete mortars. This self-levelling mortar has a great workability and fast setting capacity.

TECHNICAL CARACTERISTICS ADVANTAGES AND USES

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

- Levelling mortar for interior irregular floors.
- High mechanical strength and excellent adhesion on cementitious and concrete mortars.
- It can be manually applied or by pump.
- Great workability.
- Smoothing of floors in high pedestrian traffic floors: commercial premises, restaurants, cafés, hotels, etc.
- Suitable for finishes with ceramic, natural and artificial stone floors, etc.
- Ideal as a finishing layer before applying very thin coat such as carpet, vinyl, PVC, paints, etc.
- Fast-setting.
- Exceptionally smooth finish with strong surface.
- Compatible with radiant heating floors.

SUITABLE SUBSTRATES

- Concrete, cementitious floors, floors with a suitable resistances and others. Please consult our technical department for a different type of substrate.
- Substrates must be resistant enough, stable, sound, and clean. Free of dust, release agents, organic products, etc.
- If necessary, the substrate should be prepared by mechanical means, so to obtain a surface free of surface grout with a suitable porosity.
- Before applying NIVELAND 30R make sure all holes and / or cracks are previously repaired on the substrate by using products from our Niveland, Paviland or Morcemrest range, depending on the nature of the substrate and the type of repair required.
- Apply Paviland Primer R to avoid the formation of air bubbles in the render and improve its adhesion to the substrate.
- Before applying the paste, make sure that residual moisten is below the recommended one (below 3%).

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APPLICATION PROCEDURE

By pumping machine:

- A 2-stages mixing pump must be used adding water until getting the required fluidity.
- Spread the product with a levelling trowel until getting the required thickness.

Mechanical or manual mixing:

- Mix the product with water (6-6.5 litres per 25kg sacks) mechanically, with a mechanical mixer at low speed (500 rpm approximately) until getting a homogeneous paste without lumps. The exact water dosage is particularly important to avoid product segregation, high shrinkage, and reduction of strength.
- Let the paste rest around 2 min. then mix again.
- Pour the mixed product onto the collocation bottom and spread it with a levelling trowel until getting the required thickness.
- In both cases, it is recommended to use a spiked roller, of the appropriate size, vigorously in two directions to eliminate trapped air.
- Recommended maximum thickness is 2 to 30 mm single coat.
- Respect structural joints and create perimeter and partition joints.
- NIVELAND 30R should be protected as it is not a suitable material to remain uncovered.

RECOMMENDATIONS

- Do not apply below 5ºC and do not apply above 30ºC.
- Do not apply with risk of frost, strong winds or direct sun.
- Do not apply outdoors.
- Do not apply on soils with humidity or with risk of humidity.
- Use gloves and protective goggles for its use. Keep out of reach of children.
- Once the product has been kneaded and its resting time has elapsed, do not add additional water.
- For floors with surfaces of more than 20 m^2 or more than 10m linear, it is recommended to make partition joints, delimiting panels, with joints of about 6 mm that can be filled with PUMALASTIC MS or PU.
- The movement joints of the original substrate should be respected and perimeter joints should be made.
- The surface layer must be protected from drying too quickly, especially in conditions of high temperature and/or strong wind.
- Before laying the final screed, the residual moisture content of the screed must be checked and checked to see if it is suitable for the type of screed to be installed.
- Due to the natural origin of the raw materials used, a uniform colour tone in the finish is not assured.

In radiant heating floors:

- The drying times of the screed must be respected before laying, at least 48 hours.
- The heating system should be switched on gradually increasing the temperature at intervals of 2-3 ºC until the operating temperature is reached. This should be done in stages over a period of 48 hours.
- The heating system should be turned off 48 hours before starting the laying work.

PACKAGING AND STORAGE

25 kg plasticized paper sacks.
Storage up to 1 year in its original closed container, sheltered from weather and humidity.

TECHNICAL DATA

(Statistical results obtained under standard conditions).

Aspect	Grey powder
Open time	20 min
Adhesion	> 1.5 N/mm^2
Expansion-Shrinkage	< -0,3 mm/m
Time to be passable (*)	2 hours
Time for sanding (*)	4 hours
Time to render (*)	
Tile or carpet:	6 hours
Wooden flooring or synthetic rendering:	24 hours
Compressive strength of concrete.	
6 hours	> 5 N/mm^2
24 hours	> 15 N/mm^2
28 days	> 30 N/mm^2
Approximate performance	1,65-1,75 kg/m^2 y thickness mm
Classification according to UNE- EN 13813	CT C30 F6 B1,5
Application thickness	2 to 30 mm

(*): The times refer to a temperature of 23ºC and 50 % relative humidity. They are shorter at higher temperatures and longer at lower temperatures.

CE MARK

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Avda. AGRUPACIÓN CÓRDOBA, 17

14014 CÓRDOBA

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NIVELAND 30R

Nº: 501864-01

EN 13813

Fast-setting cement-based self-leveling paste type CT C35 F6 B1,5 for the preparation of interior floors, the installation of light floors such as ceramicinterior, installation of light flooring such as ceramic tiles, parquet, carpet, etc. For thicknesses from 5 to 15 mm.

Reaction to fire	Class A1
Emission of corrosive substances	CT
Compressive strength	C30
Flexural strength	F6
Tensile Strength	B1.5
	See Safety Data Sheet

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ENVIRONMENTAL PRODUCT DECLARATION (EPD)

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

LEGAL DISCLAIMER

The instructions for use are made according to our tests and knowledge and do not imply any commitment by PUMA GROUP and do not release the consumer from the examination and verification of the products for their correct use. Claims must be accompanied by the original packaging to allow proper traceability.

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