





-  RESIN FLOORS
-  PAVIMENTI IN RESINA
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-  POSADZKI ŻYWICZNE - DEKORACYJNE I PRZEMYSŁOWE



NORPHEN LEVEL

Self-levelling epoxy coating

Description

NORPHEN LEVEL is a liquid bicomponent product made up of:

- component A: a mix of liquid epoxy prepolymers and special inert material;
- component B: copolymerization amine.

Once the ingredients are mixed, the resulting product can easily be applied using the self-levelling coating technique.

When fully set, the material forms a smooth coating, impermeable to water and oil, hard and flexible, especially suitable to coat industrial concrete floors wherever there is a requirement for a dust resistant, easily disinfected heavy duty surface.

Range of use

NORPHEN LEVEL is used to make low-medium thickness (1 to 4 mm) coatings, both as a single layer or using the multiple layers technique with quartz sand dusting on the wet product, to grant anti-slip properties to the final coating for floors normally used in the following sectors:

- meat, fruit and vegetables processing companies, slaughterhouses, dairies, fishmonger shops, bakeries, patisseries, etc.;
- kitchens and canteens in hospitals, restaurants and hotels;
- cold stores, etc.

Application

Preparing a brand new concrete surface:

- the base must be dry, left to set for at least 28 days, and humidity content must be max 3% (measured with the carbide method);
- scarify the surface or alternatively do a diamond wheel sanding;
- apply a layer of NORPHEN FONDO SL primer;
- treat the gaps with NORPHEN PU to make them disappear (if required);
- proceed to lay NORPHEN LEVEL.

Preparing an old concrete surface:

- scarify or shot blast the surface;
- apply a layer of NORPHEN SW SOLID primer and proceed to treat the gaps if they are supposed not to be seen;
- apply W3 (1.5 kg/m²) reinforced with GLASS MESH and wait 48 hours for it to set;
- lay NORPHEN LEVEL.

Preparing the mix:

Pour NORPHEN LEVEL component B into component A and mix well with a slow speed mechanical mixer to obtain a homogeneous mixture.


Applying the mix for self-levelling floors:

- pour NORPHEN LEVEL onto the surface and spread with a smooth steel spatula or a suitable toothed spatula, according to the amount of product you plan to use (see "Yield");
- although not strictly required, you may also use a bubble bursting roller.
- Applying the mix for anti-slip multilayered floors:
- add to the (A+B) mix 30÷50% in weight quartz sands (selected particle size), and mix with a trowel each time you pick up the material;
- spread the product on the surface with a 48 cm smooth steel spatula and heavily dust the wet surface with selected particle size quartz sand;
- the day after, get rid of any excess quartz, sand down and remove all dust, then apply a finishing layer of NORPHEN LEVEL with a steel or rubber spatula.

Yield

To obtain a 1 mm thick coating you will need 1.07 kg/m² plain product (A+B).



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Warnings and special instructions

- The surfaces to be coated must be equipped with a steam barrier underneath, and their max humidity content cannot exceed 3%, otherwise you must provide a preliminary coating with W3.
- If you are applying two layers of NORPHEN LEVEL one on top of the other, we advise you against carrying out any smoothing (should the second layer be applied within 48 hours), to prevent unremoved dust particles from producing holes.
- Mix component A and B in the exact proportions recommended by the manufacturer; if you want to use only part of the pack, weigh out the two ingredients accordingly.
- During the cold period of the year the product viscosity increases, making application more difficult: take it to a warmer place before applying it. On the other hand, in hot weather conditions the product will harden more quickly.
- Read the safety card.

Technical features

Mass per volume, UNI 8310	g/cm ³	1.07 ± 0.05
Pot-life, UNI EN ISO 9514	min	25 ± 5
Surface drying time, UNI 8904	hours	6 ± 1
Minimum setting time	days	> 7
Application temperature	°C	+12 to +35
Flexural strength, ISO 178	MPa	100 ± 15
Tensile strength (film), ISO 527	MPa	45 ± 10
Tensile elongation (film), ISO 527	%	1.2 ± 0.5
Abrasion resistance, UNI 8298-9	mg	< 140
Slipping resistance, class A ≥18°, EN 13845	°	18
A : B ratio	2.4 : 1.0	

Note: test data refer to quoted regulations.

Packing and storage

NORPHEN LEVEL is available in 3.4 kg and 10.2 kg packs.
Store indoors at temperatures between +4°C and +30°C.

Legal notice

Tips on how to use our products match the current state of our knowledge and do not imply any assumption of responsibility or/and liability for the final result of works. Therefore, customers are not exempt from the responsibility to verify the suitability of products for use and final aims through preliminary tests. The website www.nordresine.com contains the latest revision of this datasheet.

Edition

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