





-  SMOOTHING COMPOUNDS
-  RASANTI
-  MICRO-MORTIERS D'EGALISATION
-  SZPACHLE I GŁADZIE



W3 IMPERMEABILIZZANTE

Three component epoxy coating

Description

W3 IMPERMEABILIZZANTE is a three component product consisting of:

- component A: aqueous dispersion of liquid epoxy prepolymers, additives and special fillers.
- component B: aqueous dispersion of copolymerization polyamines and additives;
- component C: cementitious powder.

The product is specifically designed to carry out skim coatings characterized by a very high adhesion capacity (especially on wet and tiled surfaces) and good resistance to water negative pressure even in wet conditions.

Where to Use

W3 IMPERMEABILIZZANTE is used in different ways depending on the substrate and the type of intervention to be carried out.

Substrate Type: the ideal substrate can be made of concrete cast on site, precast concrete, sand and cement plasters and tiled areas, even in damp conditions, provided the moisture content is not so high as to prevent polymer curing.

Intervention Type:

- base skim coat of vertical and horizontal surfaces due to receive resin coating;
- on concrete floors, where the upper hard layer needs restoring, especially in outdoor environments;
- on concrete floors, when there is a need to fill up small holes or imperfections on the finishing layer, even with rising dampness;
- in swimming pools, with or without glass reinforcement, to level out walls and bottom before laying tiles, even in the presence of rising dampness.
- once reinforced with glass mesh, the product can be used to level resin floors showing a danger of rising dampness;

Application

Preparing the underlying surface

- Carefully examine the underlayment and make sure it provides a suitable and structurally sound base, in particular when you have to work on surfaces that, in operating conditions, may be affected by negative water pressure because of high humidity levels.
- Choose the most suitable treatment according to surface conditions:
 - washing with high pressure hot water;
 - acid washing;
 - sanding;
 - diamond wheel sanding;
 - scarification;
 - shot blasting.





That will allow to remove dust, dirt, grease, oil, old adhesives and paint, efflorescence, rust, mould and other foreign material.

- Any surface irregularity or depression more than 5÷10 mm deep must be evened out with GROVE RAPIDO.

Preparing the product:

- pour W3 IMPERMEABILIZZANTE component B into component A and mix well with a slow RPM professional mixer;
- pour component C into the resulting mixture and mix thoroughly to obtain a perfectly homogeneous preparation;
- if necessary, you can dilute the (A+B) mix with 5÷10% water (in weight) before adding the powder, to obtain a very fine skim coating effect (this is usually done in the last, finishing layer);
- allow to rest for a few minutes, then apply with a steel spatula.



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Laying the product

Standard skim coating:

- apply one layer of NORPHEN SW SOLID, duly diluted with an amount of water equal to 4÷5 times the product's initial weight;
- half an hour later, and in any case before the next 6 hours, apply a first layer of W3 IMPERMEABILIZZANTE with a steel float; you can also add a reinforcing mesh, if suitable
- the day after apply one or two finishing layers, according to the required finishing standard.

Restoring an industrial floor surface:

The operation is usually carried out after fully or partially removing the upper hard quartz layer (preferably with the use of a scarifying machine):

- apply a layer of NORPHEN SW SOLID, duly diluted with an amount of water equal to 4÷5 times the product's initial weight;
- half an hour later, and in any case within the next 6 hours, apply a first layer of W3 IMPERMEABILIZZANTE with a steel float, adding c. 50% (in weight) 0.3÷0.8 mm quartz sand;
- the day after apply (at room temperature) a second layer additioned with 50% (in weight) 0.1÷0.3 mm quartz sand;
- on the third day add a third layer of plain product, without any quartz sand;
- if required, finish off with a layer of NORPHEN SW SMALTO, diluted with water at will and applied with an airless spray for uniform surface colour.

Coverage

- Standard Skim Coating: 1.0÷1.5 kg/m²;
- Recovery of the upper hard layer: 2 kg/m²;
- Standard finishing with 160 g/m² glass mesh reinforcement: 2.0÷2.5 kg/m².

Warnings and Special Instructions

- Do not use at temperatures lower than +8°C.
- Stop applying the product 90 minutes after mixing the two components.
- Do not add any water after preparing the mix, even if the product thickens (in summer).
- Refer to the Material Safety Data Sheet (MSDS) before use.

Specifications





bulk mass (A+B+C)	g/cm ³	1.5 ± 0.1
pot-life	min	90 ± 10
superficial exsiccation time, UNI 8904	hours	6 ± 1
minimum curing time	days	> 7
application temperature	°C	8 ÷ 35
flexural strenght, ISO 178	MPa	45 ± 15
compression load, UNI 4279	MPa	98 ± 10
impermeability to water, UNI 8202-21	KPa	> 500
water vapour permeability, DIN 52615	μ	6000 ± 500
adhesion to concrete (pull-off test), ASTM D 4541	MPa	> 3.5
A : B : C ratio		1.0 : 0.8 : 2.0

Note: test data refer to quoted regulations.

Packing and storage

Packs	11.4 and 28.5 kg (A+B+C)
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Storage	comp. A and B: 24 months in the original packs, in a sheltered dry place, at a temperature between +5°C and +30°C; protect from frost. comp. C: 12 months in the original packs, in a sheltered dry place, at a temperature between +5°C and +30°C; protect from dampness.
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Legal notice

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Edition

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