WATERBORNE EPOXY COMPOUND

PAVIPLAST® W A+B

Waterborne odourless self-levelling epoxy compound

Water-based two-component colored epoxy compound for realize indoor industrial floorings. Fast degasing and very fast developing of chemical-physical resistance. Not affected by cabonation.
Matt appearance.

CE

Description

Two-component product:

- Component A: amine resin in aqueous vehicle
- Component B: epoxy resin in aqueous emulsion

The formulation allows to obtain coatings with high mechanical resistance. It hardens in the presence of moisture and has excellent permeability characteristics. The appearance is matte, finely non-slip, easy to clean.

Use

Industrial flooring with heavy surface wear.
Floors of warehouses and commercial premises subject to high transit.

Support

The substrate must have a minimum compressive strength of 25 N/mm^2 and a tensile strength of 1,5 N/mm^2.

Preparation of the support

Concrete bottoms must be solid, leveled, absorbent, not polluted by oils, dust or other substances.
Check the most convenient type of mechanical preparation (shot peening or milling).

On dry surfaces and without macroporosity, apply a recovery of PAVIWATER T68, for a consumption of 50 g/m^2.

On surfaces with macroporosity and / or damp apply in double shoot ECOFONDO, the first layer as it is roller, the second loaded with 10% of QUARZO B0 (total consumption 0.70-0.80 kg/m^2). Oily surfaces must be deeply milled and treated by shaving with FLUIDEPOX loaded with QUARZO B0; on the product just applied, sprinkle QUARZO B2 to waste. The same solution can be adopted to smooth out any irregularities of the substrate such as the grooves left by milling and to consolidate funds that do not give a guarantee of solidity.

N.B.: with this treatment the breathability of the coating is reduced.

Tile bottoms should be shot peened vigorously. Any non-anchored tiles must be removed, restoring with PAVIRAPID. How to primer use FLUIDEPOX PIASTRELLE or ECOFONDO.

Application

Prepare separately the mixture of the 2 liquid components (A+B), pouring the contents of part B into the container part A; mix thoroughly with drill.

Spread the product quickly using a trowel and/or notched blade.

To even out the surface and facilitate deaeration, pass the breaker roller.

The final coating has a finely non-slip matt appearance. To obtain a more glossy finish, it is necessary to apply a transparent or colored water-based finish.

To obtain coatings with greater mechanical resistance and wear, load the PAVIPLAST W con il 20 % in weight of gransteel.

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Warnings

Different production batches of the same color may have small differences: where possible use material from a single production batch.

Some colors based on organic pigments (red, blue, green, intense yellows, ...) tend to give color if they are subjected to abrasion (dry or wet): in these cases it is advisable to protect the color with a transparent finish.

Technical specifications

PRODUCT DATA	
Colour	Neutral or RAL folder
Specific gravity (at 25 °C)	mixture (A+B): 2,00 +/- 0,05 g/ml (rif. RAL 7038)
Viscosity (at 25°C)	mixture (A+B): 2,400 +/- 500 mPascal (spindle 2, rpm 5, ref. RAL 7038, 50% R.H.)
Dry residue	87.5% by weight (ref. RAL 7038)
Flash point	None
Solvent for cleaning tools	Water
Storage	12 months, store in a dry place at a temperature between 5 °C and 35 °C

APPLICATION DATA AND TIMING	
Mixture ratio	A=100, B=14,7
Pot-life (50% R.H.)	at 10 °C > 50 min at 25 °C 30 min at 30 °C > 20 min
Dry to the touch (50% R.H.)	at 10 °C 20-24 hours at 25 °C 6-8 hours at 30 °C 3-5 hours
Walkable (50% R.H.)	at 25 °C from 12 hours
Coverage (50% R.H.)	at 25 °C 18 hours
Hardening in depth (50% R.H.)	at 25 °C 7 days

TECHNICAL PERFORMANCE DATA	
Appearance	matt
Abrasion resistance UNI 8298-9	< 100 mg (TABER Mola CS-17-1000 rpm – 1000 g weight)
Compressive strength (UNI 4279)	35 N/mm^2, with 7 days of hardening, at 25 °C and 50% R.H.
Hardness (ASTM D 2240)	> 80 Shore D

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