

FUNDS, CONSOLIDANTS, PRIMERS

PAVIWATER[®] TES A+B

Transparent epoxy emulsion in low yellowing

Two component epoxy system, based on epoxy resin and amine in aqueous dispersion. The product comes with a high solids content: the viscosity. It can be lowered significantly by diluting with water.

The film that is obtained has good mechanical characteristics, good resistance to solvents and industrial atmosphere and discrete light resistance.

Description

Two-component water-base epoxy system, based on epoxy and amine resin. The product is supplied with a high content of solids: the viscosity can be significantly lowered by diluting with water. The film obtained has good mechanical characteristics, good resistance to solvents and industrial atmosphere and good resistance to light.

Use

Transparent finish on floors and cement products. Anti-dust impregnating agent. Protection of printed floors and transparent consolidation.

Support

The substrate must have a minimum compressive strength of 25 N/mm² and a tensile strength of 1.5 N/mm²

Preparation of the support

Concrete bottoms. They must be solid, dry (seasoned if newly built), leveled, absorbent, not polluted by oils, detergents, powders or other substances. Evaluate the most convenient type of mechanical preparation.

A mechanical preparation by abrasivation or shot peening is the most recommended, but it is necessary to check how the surface is altered.

Absorbent and unpolluted surfaces can be prepared with a simple cleaning or with washing and subsequent drying

Application

At the time of application, combine the two components in a single container and mix carefully for 2 minutes, using appropriate equipment (drill with propeller).

At the end of the mixing phase, respect the induction time, letting the product rest in the cans. Add the dilution water slowly under stirring, stir the product for 1 minute and use within the time of use.

In the following mirror are shown the times to be respected according to the temperatures:

Temperature in °C 10° 18° 25° 30°

Induction time 30' 20' 15' 10'

Screen time 150' 130' 105' 80'

Warning: if the induction times and the time of use are not respected, there may be a discrepancy of the finish, highlighted by a lack of constancy of color and gloss (degree of gloss).

PAVIWATER TES It can find its application as:

Transparent finish:

- in a single step, after dilution of one part of (A+B) and one part of water, for a product consumption of 0,100 kg/m²
- in two stages, after dilution of one part of (A+B) and 3 parts of water, for the 1st round, and one part of (A+B) and 1,5 parts of water, for the 2nd round, for a product consumption of 0,05 kg/m² for each shot.



Product for professional use. The purchaser undertakes to strictly follow the above warnings when applying the purchased product and the instructions in the safety data sheet.

PAVIWATER[®] TES A+B • Technical sheet • 05/11/2025

Sivit S.r.l.

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Sistema di gestione conforme alle ISO 9001:2015 – ISO 14001:2015 – ISO 45001:2018

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Anti-dust impregnation:

- in a single shot after dilution of one part of (A + B) and 2 parts of water, for a product consumption of 0.07 kg/m²

Product for professional use, the buyer undertakes to follow the above warnings in the application of the purchased product and the instructions in the safety data sheet.

Technical specifications

PRODUCT DATA	
Colour	Transparent tending to light yellow
Specific gravity (at 25°C): mixture (A+B)	1,00 – 1,05 g/ml
Viscosity (at 25°C): mixture (A+B)	15.000 +/- 3.200 mPa•s (spindle 2, rpm 1,5)
Dry residue (A+B)	61% by weight and volume
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 TIMES	
Mixture ratio	by weight: A=100, B=62
Pot-life (50% R.H.)	at 10°C > 180 min at 25°C 120 min at 30°C > 90 min
Dry to the touch (50% R.H.)	at 10°C 36-48 hours at 25°C 8-10 hours at 30°C 5-7 hours
Coverage (50% R.H.)	at 25°C 24 to 48 hours
Hardening in depth (50% R.H.)	at 25°C 7 days
Environmental conditions of use	Temperatures between +10 °C and +30 °C and R.H. < 70% (*)
Coating maintenance	For cleaning operations use neutral detergents
	(*) The degree of brilliance of the applied PAVIWATER TES product is influenced by several factors: material temperature, ambient humidity, application temperature and porosity of the substrate.

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