EPOXY COMPOUND

PAVIPLAST® A+B

Self-levelling epoxy covering

It can be applied by roller to create non-slip coatings and high-thickness waterproof and spark-proof coatings.
Alternatively, inert materials such as quartz can be added to Paviplast to increase impact and abrasion resistance.
It is used to waterproof ducts and tubs, for floors in mechanical, food and chemical industries, warehouses and warehouses, laboratories and hospitals, showrooms or apartments.

Description

Two-component product based on epoxy resins in combination with cycloaliphatic amine hardeners, for the realization of selfleveling, by Trowel and multilayer coatings.
PAVIPLAST can be applied by roller to create non-slip coatings and thick, waterproof and non-sparking paints.

Use

Flooring of mechanical, food and chemical industries, warehouses and warehouses, laboratories and hospitals, shops, showrooms and apartments.
Waterproof protection of ducts and tanks.

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 bases 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 (sanding, shot peening or milling) and then apply a resumption of FLUIDEPOX. Any holes and slight anomalies can be repaired with PAVIRAPID.

Filed floors should be sanded or shot peened to a completely opaque surface, then apply a shot of FLUIDEPOX PIASTRELLE with subsequent dusting of QUARZO B2.

Do not apply PAVIPLAST on damp substrates or those subjected to capillary rising damp (in this case, contact the Svit Technical Service). The humidity of the substrate should not exceed 4%.

Application

At the time of application, combine the two components in a single container and mix carefully for 2 minutes, using appropriate equipment (propeller drill).
Quickly use the entire contents of the container. When emptying the container avoid scraping the edges and the bottom, as there may be some product not perfectly blended.

Use in Self-leveling Systems

After mixing the two components, add QUARZO B0 (0.8 kg per 1 kg of A+B) and stir.
The main application mode of PAVIPLAST is as "self-leveling". In this case it is necessary to spread the product with a 5 mm toothed trowel.
Within 5 minutes pass the breaker roller with slow and regular movements to even out the surface. The consumption for 2.5 mm thick is 2.2 kg/m^2 of (A+B) and 1.76 kg/m^2 of QUARZ= B0.

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Use in Multilayer Systems

After mixing the two components, add QUARZO B0 and stir again. The amount of aggregate to be added is as follows:

- 0.8 kg per 1 kg of A+B, for Trowel Systems
- 0.5 kg per 1 kg of A+B, for Multilayer Systems

Spread the product with fan-shaped movements, taking care not to leave excess material and uniforming to fresh with roller. The consumption for each shot is:

- 0.35 kg/m^2 of (A+B) and 0.28 kg/m_2 of QUARZO B0, for by Trowel Systems
- 0.7 kg/m^2 of (A+B) and 0.35 kg/m^2 of QUARZO B0, for Multilayer Systems

Use in Painting Systems

After mixing the two components, check the viscosity of the system, which varies greatly with temperature.

To obtain non-slip surfaces:

- apply a first shot of PAVIPLAST (for a consumption of 0.4 kg/m^2) and then evenly sow 1 kg/m^2 of QUARZO B3
- after 12-36 hours, apply a second shot of PAVIPLAST (for a consumption of 0.5 kg/m^2)

For thick painting:

- apply PAVIPLAST in two stages, for a total consumption of about 0.6 kg/m^2

In case of painting, PAVIPLAST can be diluted with UNI Solvent, for a maximum of 3% by weight (A + B).

Warnings

PAVIPLAST coatings exposed to sunlight may fade or change color with color change towards yellow: this fact does not affect the performance of the coating in any way. Between different production batches of the same color there may be slight differences: when it is possible to use material from the same batch.

For low temperature applications, the material can be heated to 25 °C for easy application and catalysis (viscosity decrease).

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	As per price list or on request according to RAL folder (for minimum batches of 200 kg)
Consumption: by trowel as self-leveling	0,35 kg/m^2 of (A+B) + 0,28 kg/m^2 of Quartz 2.2 kg/$m^2$of (A+B) + 1.76 kg/m^2 of QUARZO B0 (for 2.5 mm thickness)
Specific gravity (at 25°C): mixture (A+B) mixture (A+B) loaded	1.25 +/- 0.05 g/m 1,60 +/- 0,10 g/ml (with 80% QUARZO B0)
Viscosity (at 25°C): mixture (A+B) mixture (A+B) loaded	800 +/- 170 mPa•s (spindle 2, rpm 30) 1,300 +/- 700 mPa•s (with 80% QUARZO B0, spindle 2, rpm 6)
Dry residue (A+B)	> 98%
VOC ready to use (Legislative Decree 161/06)	< 200 g/l Cat.A/j. High performance twocomponent paint (BS)

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PRODUCT DATA	
Flash point	> 100%
Solvent for cleaning tools	UNI Solvent
Storage	12 months, store in a dry place at a temperature between 5 °C and 35 °C

APPLICATION DATA AND TIMING	
Mixture ratio	by weight: A=100, B=32 by volume: A=100, B=45
Pot-life (50% R.H.)	at 15°C > 40 min at 25°C 30 min at 35°C > 20 min
Dry to the touch (50% R.H.)	at 15°C 12-16 hours at 25°C 5-7 hours at 35°C 2-3 hours
Walkable (50% R.H.)	at 25°C 12 hours
Coverage (50% R.H.)	at 25°C 12 to 36 hours
Trafficable (50% R.H.)	at 25°C 36 hours
Hardening in depth at (50% R.H.)	25°C 7 days
Environmental conditions of use	Temperatures between +15°C and +35°C, R.H. < 50% and media humidity < 4% (*)
Coating maintenance	For cleaning operations use neutral detergents

TECHNICAL PERFORMANCE DATA	
Appearance	Polished and planar
Gloss(60°)	95 (*)
Abrasion resistance UNI 8298-9	70-80 mg (TABER Mola CS-17-1000 rpm - 1000 g weight)
Compressive strength (UNI 4279)	60 N/mm^2
Compression module	1,5 GPa
Bending strength (UNI 7219)	59 N/mm^2
Tensile strength (ASTM D 638)	40 N/mm^2
Hardness (ASTM D 2240)	78 Shore D
Adhesion (DIN ISO 4624)	>1,5 N/mm^2
Linear thermal expansion coefficient	20 $x10^{-6}$ $°C^{-1}$
Chemical resistance	Contact Sivit Technical Service for detailed information
Chemical resistance	Contact Sivit Technical Service for detailed information
CE marking (reg. n. 305/2011)	Complies with EN13813:2004. Synthetic resin-based screed materials for use inside buildings.
BCA wear resistance (EN 13892-4)	AR 0,5
Impact resistance (EN 6272-1)	IR 10
Adhesion force (EN 12892-8)	B2
	(*) PAVIPLAST applied at substrate temperatures below 15°C could stain in contact with water, or with water-based preparations, and form whitish spots. Such a defect in chemical resistance is caused by incomplete cross-linking. Therefore, PAVIPLAST should be applied at a substrate temperature not lower than 15°C and at least 3°C higher than the condensation temperature.

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