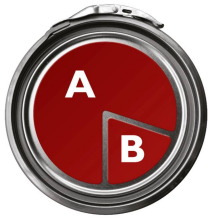
PAVIPLAST FINITURA

COLOURED EPOXY TOP-COATING (A+B)



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DESCRIPTION

Two-component product based on epoxy resins in combination with cycloaliphatic amine hardeners. PAVIPLAST FINITURA can be applied by roller to create non-slip coatings and thick, waterproof and non-sparking paintings.

Alternatively, PAVIPLAST FINITURA can be loaded with quartz for applications by trowel

USE

Flooring of mechanical, chemical and food industries.

Flooring of warehouses and warehouses.

Laboratory flooring.

Waterproof protection of ducts and tanks.

Metal platforms and gneiss.

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, dry (seasoned if newly built), leveled, absorbent, not polluted by oils, detergents, powders or other substances.

Evaluate the most cost-effective type of mechanical preparation (abrasive, shot peening or milling) and then apply a FLUIDEPOX resumption. Any holes and slight anomalies can be repaired with PAVIRAPID.

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

Existing resin coatings must be abrasive or shot peened, thus eliminating dust residues.

Iron surfaces must be prepared and treated with FERPLAST.

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 Painting Cycles

Mix the two components.

To obtain non-slip surfaces:

- apply a first shot of PAVIPLAST FINITURA (for a consumption of 0,4 kg/m^2) and then sowing uniformly 1 kg/m^2 of QUARZO B3
- after 12-36 hours, apply a second shot of PAVIPLAST FINITURA (for a consumption of 0.5 kg/m^2)

For thick painting:

- apply PAVIPLAST FINITURA in one or two shots, for a consumption of approximately 0.15 kg/m^2 for each shot

Use in Self-leveling and by trowel

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 FINITURA 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 and 2.2 kg/m^2 of (A+B) and 1.76 kg/m^2 of QUARZO B0.

If applied by trowel it is necessary to spread the product with fan movements, taking care not to leave excess material. The consumption for each shot is 0.35 kg/m^2 of (A+B) and 0.28 kg/m^2 of QUARZO B0.

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TECHNICAL SPECIFICATIONS

PRODUCT DATA	
Colour	As per price list or on request according to RAL folder (for minimum batches of 200 kg)
Specific gravity (at 25 °C): mixture (A+B)	 1,50 +/- 0,05 g/ml
Viscosity (at 25°C): mixture (A+B)	 1.400 +/- 280 mPascal
VOC ready to use (Legislative Decree 161/06)	< 200 g/l
Flash point	> 100 °C
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=25
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 4-6 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 (50% R.H.)	at 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	gLOSS
Gloss (60°)	95
Abrasion resistance UNI 8298-9	60-70 mg (TABER Mola CS-17-1000 rpm - 1000 g of weight)
Compressive strength (UNI 4279)	65 N/mm^2
Compression module	1,5 GPa
Bending strength (UNI 7219)	60 N/mm^2
Tensile strength (ASTM D 638)	44 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	Good resistance against various aggressive (consult our Technical Service)

(*) PAVIPLAST FINITURA applied at substrate temperatures below 15 °C it 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 FINITURA it must be applied at a media temperature not lower than 15 °C and at least 3 °C higher than the condensation temperature.

WARNINGS

PAVIPLAST FINITURA coatings exposed to sunlight may fade or change color with color change towards yellow: this fact does not affect in any way the performance of the coating. 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.