

WATERBORNE EPOXY COMPOUND

PAVIWATER® SATINATO A+B

Satin water-based coloured epoxy

Two-component water-based epoxy enamel for covering concrete floors and walls in interiors.

Excellent wear resistance.

Good resistance to water, alkaline solutions, detergents and hydrocarbons

Easy cleaning and sanitizing of the surface.

Satin appearance.



Description

Colored two-component water-based top-coating based on epoxy and amine resins in water dispersion, with high solids content.

Excellent wear resistance.

Easy surface cleaning.

Good resistance to water, alkaline solutions, detergents and hydrocarbons, both high-boiling and low-boiling (oil, diesel, gasoline, etc.).

The formulation is supplied in an already colored version for some colors or in a non-pigmented version (NP) with COLORPASTA W separately.

Use

Coloring of indoor concrete floors.

Finishing for epoxy cement or epoxy thick coatings.

Suitable for food environments, as it is easy to clean and sanitize. Renovate the color for old resin floors

Wall coating for aseptic premises in the food industry, pharmaceuticals, hospitals, public areas.

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

Evaluate the most convenient type of mechanical preparation (grinding or sanding).

Holes and slight anomalies can be repaired in advance with PAVIRAPID or SIVITCOL.

Tiles must be sanded or polished to a completely opaque surface. Existing resin coatings must be abrasive or polished, thus eliminating dust residues.

Absorbent or chalking cementitious surfaces should first be treated with PAVIWATER T68 or with a coat of PAVIWATER SATINATO diluted with 50% by weight of water.

Substrate prepared by grinding showing signs must be scratched with suitable Sivit formulations.

Wet supports or those subject to capillary rise of moisture must be treated with ECOFONDO (contact Sivit Technical Assistance).

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.

Application

PAWIWATER SATINATO ALREADY COLORED

At the time of application, combine the two pre-dosed components in a single container. Mix carefully for 2 minutes, using appropriate equipment (drill with propeller) and taking care to clean the walls of the containers with a spatula in order to mix all the product.

Once the mixing phase is complete, respect the induction time(*) and let the product rest in the bucket.

Add the dilution water slowly and under stirring (recommended 7% by weight), stir the product for 1 minute and apply by roller for a consumption of 0.130 kg/m² for each coat.

PAWIWATER SATINATO NP + COLORPASTA W

Mix the coloring paste well to homogenize.

At the time of application, add COLORPASTA W to component A and mix carefully. Then add component B and mix for 2 minutes, using appropriate equipment (drill with propeller) and taking care to clean the walls of the containers with a spatula in order to mix all the product. Once the mixing phase is complete, respect the induction time(*) and let the product rest in the bucket.

Add the dilution water slowly and under stirring (recommended 7% by weight), stir the product for 1 minute and apply by roller for a consumption of 0.130 kg/m² for each coat

(*) PAWIWATER SATINATO must be applied within the time of use and after the induction time as a function of the ambient temperature, see table at the bottom of the sheet.

Attention: avoid preparing partial mixtures of product to avoid accidental mistakes, which could result in failure or complete hardening. Failure to observe induction and application times may result in the unevenness of the finish, evidenced by different colours and degrees of gloss.

As a topcoat, it should be applied by roller, uniforming the surface with parallel movements.

For applications at low temperatures, the formulation can be diluted with a 1:1 mixture of water and ethyl alcohol.

To obtain a non-slip surface, add 3-5% by weight of SFERETTE DI VETRO (FINI or GROSSE).

Keep the product stirred to avoid sedimentation.

PAWIWATER SATINATO can also be applied by smoothing: in this case, add to the mixture 30% by weight of SFERETTE DI VETRO GROSSE and apply by American trowel, for maximum consumption of 0,200 kg/m² of PAWIWATER SATINATO.

Protect the applied product from humidity, condensation, and water for at least 24 hours.

Warnings

Shades of yellow, orange or some reds may require several shots to obtain a good covering effect (in some cases an additional first coat of white color is recommended).

Different production batches of the same color may have small differences: where possible use material from a single production batch for each area to be treated.

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

Do not apply to plaster casts intended for humid environments (e.g. showers).

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Technical specifications

PRODUCT DATA	
Colour	On request second RAL folder
Consumption	0,130 kg/m
Specific weight (at 25°C)	mixture (A+B): 1,48 +/- 0,05 g/ml part A: 1,55 +/- 0,05 g/ml part B: 1,10 +/- 0,05 g/ml
Viscosity (at 25 °C)	mixture (A+B): 3.500-4.000 mPa•s (spindle 2, rpm 5)
Solid Content(A+B)	75% by weight
VOC ready to use (Legislative Decree 161/06)	< 50 g/l Cat.A/j. Pittura bicomponente ad alte prestazioni (BA).
Flash point	None
Solvent for cleaning tools	Water
Storage	12 months, store in a dry place at a temperature between 10°C and 35°C

APPLICATION DATA AND TIMING	
Mixture ratio (by weight)	Version already colored: A=100, B=19 Version NP: A=85, pasta=15, B=19
Induction time	at 15°C 25 min at 25°C 15 min at 35°C 10 min
Pot-life (50% U.R.)	at 15°C 130 min at 25°C 105 min at 30°C > 80 min
Tack free (50% R.H.)	at 15°C 18-22 hours at 25°C 4-6 hours at 30°C 2,5-3,5 hours
Walkable (50% R.H.)	at 25°C 14 to 36 hours
Coverage (50% R.H.)	at 25 °C 14 to 36 hours
Trafficable (50% U.R.)	at 25°C 3 days
Hardening in depth (50% R.H.)	at 25 °C 7 days
Environmental conditions of use	Temperatures between +15 °C and +35 °C, R.H. < 70% The degree of gloss of the applied PAVIWATER SATINATO product is influenced by several factors: material temperature, ambient humidity, application temperature and porosity of the substrate.
Surface temperature	Between +10 °C and +30 °C
Coating maintenance	For cleaning operations use neutral detergents

TECHNICAL PERFORMANCE DATA	
Appearance	Lightly peeled surface
Gloss (60°)	30-35 The degree of gloss of the applied PAVIWATER SATINATO product is influenced by several factors: material temperature, ambient humidity, application temperature and porosity of the substrate.
Abrasion resistance UNI 8298-9	50-60 mg (TABER Mola CS-17-1000 rpm - 1000 g weight)
Slipperiness (D.M.236/89)	μ>0,40 (with 3% of SFERETTE DI VETRO FINI)
Chemical resistance	Contact Sivit Technical Service for detailed information
CE marking (reg. n. 305/2011)	Complies with EN 1504-2. Coating (C) Principle (PR)

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