

CHEMICAL RESISTANT COVERINGS

VITREX A+B

Thixotropic epoxy product

Two-component epoxy enamel with high chemical resistance for thick coating of vertical surfaces. It is used to create continuous protective coatings in hydraulic engineering works.

Description

Two-component epoxy system having a good thixotropy for vertical thickness painting.

Use

Continuous protective coatings for hydraulic engineering works.

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

Any discontinuities must be restored with suitable cement mortars.

Apply a layer of primer consisting of epoxy formulation (ECOFONDO).

Steel bottoms will have to be prepared by sandblasting. Apply suitable anticorrosive primer.

Application

At the time of application, combine the two components in a single container, mix carefully with appropriate equipment and mix for two minutes, taking care to take care of the walls and the bottoms of the cans, until consistency and uniform color are obtained.

Quickly use the entire content.

Apply the product with an airless brush, roller or spray. The theoretical consumption is about 300 gr/m², for a recommended thickness per layer of 200 µm.

Warnings

VITREX coatings exposed to sunlight may fade or change color with a turn 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 possible use material from the same production 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.

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.

VITREX 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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Technical specifications

PRODUCT DATA	
Colour	White, red, ochre
Specific gravity (at 25 °C)	mixture (A+B): 1,50 +/- 0,05 g/ml
Viscosity (at 25 °C)	mixture (A+B): 5.000 +/- 1.000 mPa (spindle 2, rpm 30)
Dry residue (A+B)	95% +/- 1% by volume
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=27
Pot-life (50% R.H.)	at 15 °C > 40 min at 25 °C 25 min at 30 °C > 15 min
Dry to the touch (50% R.H.)	at 15 °C 12-16 hours at 25 °C 4-6 hours at 30 °C 3-4 hours
Coverage (50% R.H.)	at 25 °C from 6 to 24 hours (after the max. covering time it is necessary to sand the entire surface)
Hardening in depth (50% R.H.)	at 25 °C 7 days
Environmental conditions of use	Temperatures between +15 °C and +30 °C, R.H. < 50% and media humidity < 4% VITREX applied at substrate temperatures below 15°C may stain in contact with water or water-based preparations and form whitish spots. Such a defect in chemical resistance is caused by incomplete cross-linking. Therefore, VITREX should be applied at a media temperature not lower than 15 °C and at least 3 °C above the condens temperature.

TECHNICAL PERFORMANCE DATA	
Adhesion to concrete	> 2.5 MPascal, with cohesive breakage of the support
Chemical resistance	Good resistance against various aggressive (consult our Technical Service)

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