

CHEMICAL RESISTANT COVERINGS

VITREX PLUS A+B

Epoxy product for food industry

Two-component epoxy enamel for coatings directly in contact with food. Suitable for olive oil, drinking water, pasta, cereals, meat and other foods requiring leaching tests with simulants A, D2 or E is required.



Description

Two-component system formulated with raw materials that are included in the positive list for contact with food. Certified for continuous contact with olive oil and drinking water, (test reports no. 338/2012, no. 339/2012, no. 340/2012 and no. 349/2012, no. 350/2012, n. 351/2012 and n. 352/2012 of the Institutes of Oenology and Agri-food Engineering of Piacenza) or other food products for which the transfer test with simulants A and D2 is required.

Use

Continuous protective coatings for hydraulic engineering works intended for continuous contact with olive oil, drinking water and other foods.

Support

The substrate must have a minimum compressive strength of 25 N/mm² and a tensile strength of 1,5 N/m².

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. However, apply a layer of primer using epoxy formulation in ECOFONDO.

Application

At the time of application, combine the two components in a single container, mix carefully with appropriate equipment and mix for a minute, taking care to take care of the side and the bottom of the cans, until consistency and uniform color are obtained. Quickly use the entire content.

Any dilutions can be performed with pure ethyl alcohol.

For cleaning equipment use epoxy thinner.

Apply the product with a brush or roller, airless spray.

The theoretical consumption is about 300 gr/m².

Provide for the application in double layer with a minimum thickness of 200 µm respecting the minimum and max. times of overcoverage.

Warnings

VITREX PLUS 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.

Technical specifications

PRODUCT DATA	
Color	White, red, ochre

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.

PRODUCT DATA

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)	100% by weight
Flash point	> 100 °C
Solvent for cleaning tools	UNI Solvent
Storage	12 mesi, conservare in luogo asciutto ad una temperatura compresa tra i 5 °C ed i 35 °C

APPLICATION DATA AND TIMING

Mixture ratio	by weight: A=100, B=22
Pot-life (50% R.H.)	at 15 °C > 25 min at 25 °C 15 min at 30 °C > 10 min
Dry to the touch (50% R.H.)	at 15 °C 10-12 hours at 25 °C 2-3 hours at 30 °C 1-2 hours
Coverage (50% R.H.)	at 25 °C from 2 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 Before direct contact with food substances it is necessary to carry out a thorough washing of painted surfaces. For washing it is advisable to use pure drinking water or a 2% solution of Solvay soda, followed by thorough rinsing with drinking water.
Environmental conditions of use	Temperatures between +15 °C and +30 °C, R.H. < 50% and media humidity < 4% VITREX PLUS applied at substrate temperatures below 15 °C could 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 PLUS should be applied at a media temperature not lower than 15 °C and at least 3 °C above the condensate temperature.

TECHNICAL PERFORMANCE DATA

Chemical resistance	Good resistance against various aggressive (consult our Technical Service)
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