

Vitrex Plus

Epoxy product for the food industry (A+B)



Properties

- High wear resistance
- For the large Oenology and Agri-Food Engineering industries.
- On surfaces subject to direct contact with food products.
- Indoors

Description

- 2-component system formulated with raw materials that fall on the positive list for food contact.

Certified for continuous contact with olive oil and drinking water (test reports no. 338/2012, no. 339/2012, no. 340/2012 and no. No. 349/2012, No. 350/2012, No. 350/2012, No. 351/2012 and No. 351/2012). ° 351 / 2012 and No. 352/2012 of the Institute of Oenology and Agri-Food Engineering of Piacenza, 9-Jul-09) or other food products for which the transfer test with simulants A and D2 is required.

Performances (25°C y 50% HR)

- Specific gravity: 1.5 +/- 0.05 g/ml
- Solids by weight: 100%.
- Viscosity (A+B): 5.000 +/- 1000 Mp (spindle 2, rpm 30)
- Direct tensile adhesion strength: 2,24 MPa
- Permeability to carbonic anhydride: >50 m (310 µm)
- Permeability to water vapor: 12.10 m (12.10 m)
- Permeability to water: <0.01 kg/h 0, 5.m2
- Dangerous substance: According to EN 1504-2 (point 5.3)

**These results are standard test results and may vary depending on site conditions.*

Technical data

• Packing	Pack: 10 kg
• Application temperature	15-30 °C
• Consumption	±0,3 kg/m2 (1 layer)
• Color	Colorless
• Dosage (A+B)	A=100 B=22 (weight)
• Flash point	>100°C
• Pot life (50% HR)	15°C >25min 25°C >15min 30°C >10min
• Dry to touch (50% HR)	15°C 10-12hs 25°C 2-3hs 30°C 1-2hs
• Repainting (50% H.R.)	24 hours maximum
• Hardening (25° y 50% H.R.)	±7 days
• Tool cleansing	UNI Solvent
Storage	In sealed original container (5-35°C), protected from weather and humidity: 1 year

Uses

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

Before direct contact with food substances it is necessary to carefully wash the painted surface. For washing it is advisable to use pure drinking water or a 2% solution of Solvay Soda, rinsing carefully with drinking water.

Supports

- The substrate must have a minimum compressive strength of 25 N / mm2 and a tensile strength of 1.5 N / mm2.

Support preparation

- Concrete substrates must be solid, dry (cured if new >28 days), level, absorbent, uncontaminated by oils, detergents, dusts or other substances. Any discontinuities should be restored with suitable ready-mixed cementitious mortars.
- If necessary, apply a coat of **Ecopox-cem plus 3c** water-based primer and vapor barrier.

() Vitrex plus applied at substrate temperatures below 15°C may stain on contact with water or water-based preparations and form whitish stains. This chemical resistance defect is caused by incomplete crosslinking. Therefore, Vitrex plus 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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Application

- To mix, combine the 2 components in a single container and mix carefully with the appropriate equipment, stirring for at least 2 minutes, until a good consistency and uniform color is obtained.
- At the time of application, quickly use the entire contents.
- Any dilution can be done with pure ethyl alcohol, to clean the equipment, use epoxy thinner.
- Apply the product by brush, roller, airless spray.
- Provide the application in a double layer with a minimum thickness of 200 µm respecting the minimum and maximum over the entire coverage.
- Always respect the temperatures, relative humidity and humidity of the support, indicated in this data sheet.

Important

- Vitrex plus coatings exposed to sunlight may undergo color changes or discoloration with a change to a yellowish tone, this fact does not affect the performance of the coating at all. there may be small differences between different production batches of the same color.
- When possible, use material from the same production batch. for low temperature applications, the material can be heated to 25°C for ease of application and catalysis (lower viscosity).

Associated products

Vitrex wine
Ecopox-cem plus 3c



Packing

Pack: 10 kg

Color

Colorless

Consumption

±0,3 kg/m² (1 layer)

Conservation

In original closed container (5-35°C), protected from weather and humidity: 1 year.

⚠ IMPORTANT

The observations and prescriptions of this data sheet, although corresponding to our best experience, should be considered, in any case, purely indicative, and should be tested by exhaustive practical applications; therefore, before using the product, the user must establish whether or not it is suitable for the intended use, and assumes all liability that may arise from its use. Once the product has been handled or applied, the manufacturer shall not assume any claim whatsoever, nor any liability as to the manner, mode and conditions of application.