

# RESIN FLOORING TECHNOLOGY IMPERMEABLE COATING

#### **TECHNICAL DATA SHEET**

07-02-2013

## **VITREX**

Thixotropic epoxy product (A+B)

## **Description**

Two-pack epoxy product, formulated with a good thixotropy for vertical varnishing with high thickness.

## **Usages**

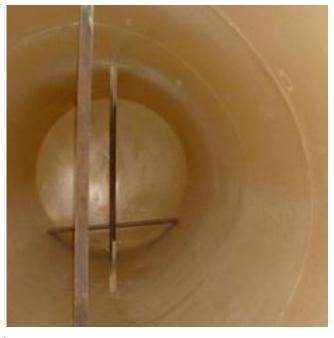
Protective coatings for hydraulic structures.

#### **Substrate**

The substrate must have a minimum resistance to compression of 25 N/mm<sup>2</sup> and to traction of 1,5 N/mm<sup>2</sup>.

## **Preparation of the substrate**

- Concrete substrate have to be solid, dry (respect the seasoning time when newly done), leveled, absorbent, not polluted by oils, cleaners, dust, or any other substance. Eventual not uniform parts will have to be restored with proper mortars for concrete.
- A layer of waterborne epoxy product **ECOFONDO** should be applied as primer.



### **Application**

At the moment of the application mix the two components in one container and mix them for at least 2 minutes with a drill mixer till color and consistency are uniform.

Apply it quickly and by using the whole product.

Tack free time



#### **Technical Data**

Density 1,50 +/- 0,05 g/ml Solids in volume 95% (+/- 1%)

Viscosity (A+B) at 25° 5000 +/- 1000 mPascal (Spindle 2, rpm 30)

Advisable thickness by layer 200 µm

Pot-life at 30°C > 15 minutes

at 25°C 25 minutes at 15°C > 40 minutes at 30°C and 50% U.R. 3-4 hours

at 25°C and 50% U.R. 4-6 hours at 15°C and 50% U.R. 12-16 hours

Theoretical consumption 300 gr/sqm

Ratio mixture in weight A=100 B=27

Overcoat time at 25°C and 50% U.R. min. 6 hours and max. 24 hours

After the overcoat time it is necessary to

abrase with abrasive paper

Hardening at 25°C and 50% U.R. 7 days

Flash point > 100°C

Application conditions (\*) Temperatures between 15°C and 30°C, U.R. <

50% and humidity of the substrate < 4%

Solvent to clean the tools Solvent UNI

Storage 12 months. Keep it in a dry place at a

temperature between 5°C and 35°C

Chemical resistance Good to several aggressive agents. Please refer

to our Technical Service for advices.

(\*) **VITREX** when applied at temperatures from the substrate < to 15°c could form white marks when in contact with water or with waterborne substances. Therefor **VITREX** have to be applied at a temperature of the substrate not lower than 15°C and of at least 3°C higher than the dew temperature.

#### **CAUTION:**

**VITREX** coatings, when directly exposed to sun light, can vary their color to yellowish; this phenomenon does not have any influence on the performances of the coating. Different batches from the same color can show few differences: when possible, use

material from the same production batch.

For applications at low temperatures it is advisable to warm the product up till 25°C to facilitate the application (lower viscosity).