

# 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.

## 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  |
| Tack free time               | 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).