

# CHEMICAL RESISTANT COVERINGS

## PAVIPLAST® VASCHE TIX A+B

### Thixotropic epoxy coating for hydraulic structures

Two-component epoxy compound suitable for creating continuous, high-thickness, chemical-resistant coatings, for the containment of industrial and cooling water.

#### Description

Formulated based on cross-linked epoxy resins with aliphatic and cycloaliphatic amine hardeners.

The solid film, thanks to a high cross-linking density, has an excellent chemical resistance against various aggressive chemicals (acids, bases and solvents, in particular ethyl acetate).

#### Use

Continuous, thick, chemical-resistant coatings for the containment of industrial and cooling water.

#### Support

The substrate must have a minimum compressive strength of 25 N/mm<sup>2</sup> and a tensile strength of 1,5 N/mm<sup>2</sup>.

#### Preparation of the support

**Cls. new:** the support must be finished with medium-fine trowel and seasoned; It must have a smooth, flat, dust-free and imperfection-free surface. No cement grout must emerge: in case it must be removed by means of appropriate cleaning systems.

**Cls. old:** the damaged support (cavities, cracks, ...) must be restored and restored in order to rebuild suitable flatness and degree of finish. The support must be free from traces of oil, greases and residues of previous treatments.

**Metal supports:** sandblast to white metal (SSPC-SP5, Svensk Sa3) before applying PAVIPLAST VASCHE TIX; in case you wish to carry out a treatment anticorrosive steel or when the same (after sandblasting) can not be immediately coated with the PAVIPLAST VASCHE TIX, you must perform a sandblasting to the almost white metal (SSPC-SP10, Svensk Sa2 1/2) and then apply a layer of anticorrosive primer with a brush.

#### Application

At the time of application, combine the two components in a single container and mix carefully with appropriate equipment. Quickly use the entire content. When emptying the container avoid scraping the edges and the bottom, as there may be some product not perfectly blended. By roller application, it is possible to dilute with UNI Solvent; do not exceed 5% on the quantity of product. The product consumption is about 300-600 gr/m<sup>2</sup>.

#### Warnings

PAVIREsISTANT 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). Tones on yellow, orange or some reds may require more coats to obtain a good covering effect.

**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.**

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## Technical specifications

### PRODUCT DATA

Colour	RAL 7038 o a richiesta, per lotti minimi di 200 kg
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 6)
Dry residue (A+B)	95% by weight
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=19
Pot-life (50% R.H.)	at 15 °C > 6 hours to 25 °C 17 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 (for low thickness) at 30 °C 1-2 hours
Coverage (50% R.H.)	at 25 °C 6 to 24 hours
Environmental conditions of use	Temperatures between +15 °C and +30 °C, R.H. < 50% and media humidity < 4% PAVIPLAST VASCHE TIX applied at support 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, PAVIPLAST VASCHE TIX should be applied at a substrate temperature not lower than 15 °C and at least 3 °C higher than the condensation temperature.
Coating maintenance	For cleaning operations use neutral detergents

### DATI TECHNICAL PERFORMANCE DATA

Appearance	Semi-gloss (dried film)
Hardness (ASTM D 2240)	80 Shore D
Adhesion to concrete	> 2.5 MPascal, with cohesive breakage of the support
Chemical resistance	Excellent resistance against various aggressive (consult our Technical Service)

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