RESIN FLOORING TECHNOLOGY
IMPERMEABLE COATING

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CHEMICAL RESISTANT COVERING

TECHNICAL DATA SHEET
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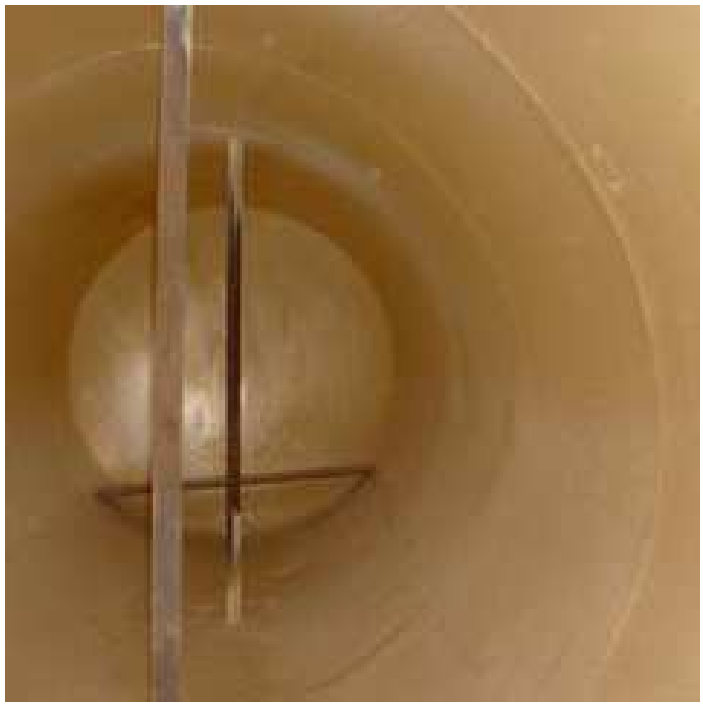
PAVIPLAST VASCHE TIX

Thixotropic epoxy coating for hydraulic structures (A+B)

Description

Product based on epoxy resins with cyclo-aliphatic and aliphatic amine hardeners.

The solid film has an excellent chemical resistance towards several different chemical substances (acids, bases and solvents in particular ethyl acetate).



Uses

Continuous very thick chemical resistant coatings, for the reservoirs of industrial or cooling waters.

Is suitable for painting sewage water tank and pipes and is resistant to sulfuric acid and hydrogen sulfide.

Is advised for painting surfaces to be immersed in seawater

Good chemical resistance towards fuel oil,diesel oil, jet-fuel oil, brake oil, hydraulic oil, kerosene and in general with hydrocarbons.

Substrate

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

Preparation of the substrate

•New Concrete: the finishing has to be medium-fine and seasoned; the surface has to be smooth, flat, without dust or imperfections. Surface need to be mechanically cleared to cement grout, in case of, they must be removed by using adequate cleaning methods. Apply a coat of FLUIDEPOX A+B

•Old Concretes: eventual scratches or holes have to be restored in order to have a flat surface. The substrate does not have to be polluted by oils, dust or previous treatments apply a coat of FLUIDEPOX A+B

•Metallic surfaces: shot-blasting till white metal(SSPC-SP5, Svensk Sa3) and then application of **PAVIPLAST VASCHE TIX**; in case of an anti-corrosion treatment is required, or when the metal, after the sand-blasting could not be immediately coated with **PAVIPLAST VASCHE TIX**, a sand-blasting till nearly white metal is necessary (SSPC-SP10, Svensk Sa2 1/2) and then apply by brush one layer of anti-corrosion primer like FERPLAST A+B

Application

At the moment of the application put the two components into one container and mix them carefully with a drill mixer.

Apply quickly the whole product. Do not use the product which sticks to the sides or bottom of the container, as it could be not perfectly mixed.

When applied by roller, it is possible to dilute it with Solvent UNI; not more than the 5% on the total product.

Technical Data

Color		RAL 7038 or tailor-made, for batches of min. 200 kg
Appearance of the dry film		slightly bright
Density		1,50 +/- 0,05 g/ml
Solids in weight		95%
Viscosity	at 25°	5000 +/- 1000 mPascal (Spindle 2, rpm 6)
Pot-life	at 30°C	> 10 minutes
	at 25°C	17 minutes
	at 15°C	> 30 minutes
Tack free time	at 30°C and 50% U.R.	1-2 hours
	at 25°C and 50% U.R.	2-3 hours, for low thickness
	at 15°C and 50% U.R.	10-12 hours
Consumptions		300-400 gr/sqm for coat
Ratio mixture in weight		A=100 B=16
Overcoat time	at 25°C and 50% U.R.	min. 6 hours and max. 24 hours
Flash point		> 100°C
Application conditions (*)		Temperatures between 15°C U.R. < 50% and 30°C and humidity of the substrate < 4%
Adhesion to concrete		> 2,5 MPa until breaking of the concrete
Hardening (ASTM D 2240)		80 Shore D
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		Excellent towards several different chemical agents. Consult the table of chemical resistances.

(*) **PAVIPLAST VASCHE TIX** when applied at temperatures from the substrate < to 15°c could form white marks when in contact with water or with waterborne substances. Therefore **PAVIPLAST VASCHE TIX** 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 point.

WARNINGS:

PAVIPLAST VASCHE TIX 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).

Colors like yellow, orange or some type of red might require several layers before obtaining a good covering effect.

CHEMICAL RESISTANT COVERING

For the application of this product, the buyer engages to strictly follow what is indicated in this Technical Data Sheet and in the related Material Safety Data