



TEKNOPOX AQUA V TIX A

Epoxy Paint

PAINT TYPE

TEKNOPOX AQUA V TIX A is a two-pack, water-borne epoxy paint.

USAGE

TEKNOPOX AQUA V TIX A is used as a priming coat on mineral surfaces in the water-borne TEKNOPOX AQUA A Epoxy System. It can also be used alone when a matt finish is required. TEKNOPOX AQUA V TIX A can be used on concrete, cement plaster, brick and asbestos cement surfaces and also on particle board and hard board surfaces. On gypsum boards woven fibreglass fabric should be used to strengthen the surface.

SPECIAL PROPERTIES

TEKNOPOX AQUA V TIX A fulfils the requirements stated in report STUK-YTO-TR 210 issued by STUK - Radiation and Nuclear Safety Authority, Finland.
The paint coat withstands water, oil, petrol and chemicals as well as abrasion.
The volatile component in TEKNOPOX AQUA V TIX A is water. Thus the use of this paint does not involve health hazards or fire risks associated with solvent-borne paints.

APPROVALS

The paint has CE approval for protection of concrete structures. Additional information: see page 3: "CE MARKING".

TECHNICAL DATA

Mixing ratio

Base (Comp. A):
Hardener (Comp. B): TEKNOPOX AQUA V TIX A HARDENER

2 parts by volume
1 part by volume

Pot life, +23 °C

2 h

Solids

42 ±2% by volume

Total mass of solids

abt. 830 g/l

Volatile organic compound (VOC)

abt. 23 g/l

Practical spreading rate

The values depend on the surface roughness and required filling degree.

Spray application on cast concrete. The dry film thickness on a smooth surface is 130 - 180 µm.
Spreading rates:
1. application 4 - 6 m²/l
2. application 6 - 8 m²/l
Corresponding application with a roller requires three applications.

When a dense moisture barrier coat is required, the application must always be done by airless spraying.
Spreading rates on cast concrete corresponding to 200 - 240 µm:
1. application 3 - 4 m²/l
2. application 4 - 5 m²/l

Drying time at +23°C / 50% RH
- dust free (ISO 9117-3:2010)
- touch dry (DIN 53150:1995)

after 1 h
after 12 h

Overcoatable

	by itself, TEKNOPOX AQUA V A or TEKNOPOX AQUA V FILL A	
surface temperature	min.	max.*
+10°C	after 2 d	after 9 months
+23°C	after 16 h	after 9 months

* Maximum overcoating interval without roughening.

Increase in film thickness and rise in the relative humidity of the air in the drying space usually slow down the drying process.

Thinner

Water

Clean up

Water and synthetic washing agent
TEKNOSOLV 9506

Finish

Matt

Colours

Off-white

Radiation resistance and decontamination

The paint withstands well radioactive radiation and is easy to decontaminate (statement No. 1480/28/05/RTE by VTT - Technical Research Centre of Finland).

SAFETY MARKINGS

See Safety Data Sheet.

DIRECTION FOR USE**Surface preparation**

CONCRETE SURFACES: The concrete must be at least 4 weeks old, well-hardened and solid. The water content of the top layer must not exceed 4% by weight.
Smooth down any spatter and irregularities on the surfaces by grinding. Brush away loose cement, sand and dust. Wash oily and greasy surfaces with detergent or solvent. Remove dense laitance if present by etching with BETONI-PEITTAUSLIUOS Agent or by grinding or blast-cleaning.

Stopping, smoothing

Filling cavities can be done with solvent-free TEKNOPOX FILL Stopper. When needed the stopping up between coats and overall stopping up is done with water-borne TEKNOPOX AQUA V FILL A Epoxy Stopper.

Application conditions

During the application and drying period the temperature of the ambient air, the surface and the paint shall be above +10 °C and the relative air humidity below 80%.
The surface to be painted can be damp but not wet. Good ventilation promotes the drying process.
Additionally the temperature of the surface to be painted and the paint must be at least 3°C above the dew point of the ambient air.

Mixing of the components

Take into consideration the pot life of the mixture when estimating the amount to be mixed at a time. Before painting the base and hardener are mixed in right proportion. Stir thoroughly down to the bottom of the vessel. Mixing by machine is recommended, for example a slow-rotating hand-drill equipped with a mixer. Inadequate stirring or incorrect mixing ratio results in imperfect curing and impaired film properties.
THE READY MIXTURE MUST BE USED WITHIN THE POT LIFE, MIXTURES OLDER THAN THIS ARE UNFIT FOR USE.

Application

Apply the paint with airless spray (nozzle size 0.017 - 0.021"), or with brush and roller.
Clean all equipment immediately after use.

Top coating


When a gloss finish is required, apply the top coat with TEKNOPOX AQUA V A Epoxy Paint.

**ADDITIONAL
INFORMATION**

The storage stability is shown on the label. Store in a cool place and in tightly closed containers.
MUST NOT FREEZE.

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CE MARKING

	
0809	
Teknos Oy Takkatie 3, P.O. Box 107 FI-00371 Helsinki, Finland 13 Declaration of Performance No. 0029	
0809-CPR-1063 EN 1504-2:2004 Surface protection products – Coating Chemical resistance (6.1)	
Abrasion resistance	Requirement: Weight loss less than 3000 mg
Capillary absorption and permeability to water	Requirement: $w < 0,1 \text{ kg/m}^2 \times \sqrt{h}$
Resistance to severe chemical attack	Requirement: Reduction in hardness of less than 50 %
Adhesion strength by pull-off test	Requirement: Rigid system without trafficking: $\geq 1,0 (0,7) \text{ N/mm}^2$
Dangerous substances	See safety data sheet

The information of this data sheet is normative and based on laboratory tests and practical experience. Teknos guarantees that the product quality conforms to our quality system. Teknos accepts, however, no liability for the actual application work, as this is to a great extent dependent on the conditions during handling and application. Teknos accepts no liability for any damage resulting from misapplication of the product. This product is intended for professional use only. This implies that the user possesses sufficient knowledge for using the product correctly with regard to technical and working safety aspects. The latest versions of Teknos data sheets, material safety data sheets and system sheets are on our home pages www.teknos.com.



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