

TEKNOFLOOR AQUA PRO

floor paint

PAINT TYPE	Water-borne acrylate based concrete floor paint for indoor use. Finish: semigloss.
USAGE	Suitable for painting new concrete and wooden floors as well as floor screeds (including certain pumpable screeds). Also for concrete and wood previously painted with alkyd, urethane alkyd or acrylate paints: floors, stairs etc. in dry spaces indoors in e.g. rooms, cellars, corridors, storage spaces and emergency shelters.
APPROVALS	The product has been classified to Group M1 in Emission Classification of building materials. The paint has CE approval for protection of concrete structures. Additional information: see page 3: "CE MARKING".
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TECHNICAL DATA	
Solids	About 31 % by volume
Volatile organic compound (VOC)	EU VOC limit value (kat A/i): 140 g/l. The product's VOC: max. 140 g/l.
Practical spreading rate	5 - 6 m ² /l
Density	abt. 1.2 g/ml
Drying time at +23°C / 50% RH - dust free - overcoatable - fully cured	after 1 hour after 4 hours after 7 d The drying will be slowed down if the air is cool and/or humid.
Thinner, clean up	Water. Wash the equipment immediately after use with appropriate detergent and warm water.
Finish	Semigloss
Colours	Base paints 1 and 3, which can be tinted to obtain the shades in Floor Paint Colour Cards. T4017
Packages (availability varies by country)	Base paint 1: 9 L Base paint 3: 9 L T4017 9 L
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SAFETY MARKINGS	See Safety Data Sheet.

DIRECTION FOR USE**Surface preparation****NEW CONCRETE FLOOR:**

The concrete must be at least 4 weeks old and well-hardened so that all moisture from casting is bound and the surface dry. The moisture of the concrete must not exceed 97% as relative humidity or 4% by weight (by 54 / BLY 12).

Remove dense laitance from steel trowelled concrete surface by sanding or blast-cleaning. Brittle and powdery floor surfaces are sanded until hard ballast layer appears. After sanding the cement dust is removed. The surface is etched if sanding can not be performed. Use RENSA ETCHING Etching Liquid. After the etching the floor is rinsed with water and allowed to dry.

PUMPABLE FLOOR SCREEDS:

The suitability of the floor screed as a substrate to be painted must be confirmed with the screed manufacturer (e.g. webervetonit 110 Fine and webervetonit 120 Reno are screeds which can be painted on). Follow the drying and hardening times instructed by the screed manufacturer. The screed surface is cleaned from dust, dirt and other impurities. The screed surface is sanded and cleaned from sanding dust. The screed surface does not need to be roughened or sanded, unless the screed manufacturer requires so.

OLD CONCRETE FLOOR:

Greasy, oily or otherwise dirty floors are cleaned with RENSA SUPER paint cleaner. Unpainted or extremely dirty concrete floors can also be cleaned by stronger emulsifying wash or etching. Loose and poorly adherent old paint coats and/or laitance can be removed by scraping or machine grinding. Matt down hard or glossy surfaces by sanding and remove the dust.

NEW WOODEN FLOOR:

Untreated wooden surface is cleaned and/or sanded even, if required. Sanding dust is removed.

OLD WOODEN FLOOR:

Untreated wooden surface is cleaned and/or sanded even, if required. Sanding dust is removed. Remove loose and poorly adherent old paint coats by scraping or machine grinding. Wash previously painted surfaces with RENSA SUPER paint cleaner. Matt down hard or glossy surfaces by sanding and remove the dust.

FILLING and SMOOTHING:

If required, holes and other irregularities can be filled with TEKNOFLOOR-KOVAKITTI Epoxy Putty or a cement-based filler which suits the hardness of the surface. Wooden surfaces are smoothed with putties that are intended for wood.

Priming

Self-levelling floor screeds, the so called pumpable floors must be primed before painting. After the drying and hardening period instructed by the screed manufacturer, the floor is primed with TEKNOSPRO BINDER PLUS dust binder. TEKNOSPRO BINDER PLUS is applied by a rubber trowel or roller. The amount to be applied is abt. 0.1 l/m². Primer must be absorbed to the screed surface and it must not form puddles on the floor.

Priming

Unpainted, clean, dust-free and dry concrete or wood surface is primed with TEKNOFLOOR AQUA PRO diluted 5 - 10 % by volume. Clean water is used for dilution and the paint must be carefully stirred. Wooden surfaces are sanded after 12 h drying, if needed. The paint is not thinned, when used for priming a surface treated with TEKNOSPRO BINDER PLUS.

Application

Before use stir the paint thoroughly. Apply once or twice by brush, roller or spray. Suitable nozzle for airless spray is 0.015 - 0.019".

The paint can be diluted with water 5 - 10 % by volume, if there is a need to adjust application properties, e.g. when the temperature is high or the relative humidity very low. Clean water is used for dilution.

Application conditions

The surface to be painted must be dry. 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%. Drying is faster in low air humidity and/or above + 21°C. Application will be easier if air is humidified and/or temperature is lowered in the working space. Ventilation after the painting will quicken the drying.

Maintenance instructions

The final forming of the paint film takes abt. 1 week under normal circumstances and after that the ultimate durability and hardness is reached. The floor may be walked on before the final hardening, but any heavier load must be avoided.


The painted surface can be cleaned by wiping with a neutral (pH 6 - 8) detergent. Detergent and dirt are removed by wiping and/or rinsing the surface with clean water. Use a brush, cleaning cloth, soft sponge or similar for cleaning. Avoid coarse brushing or heavy abrasion. Follow the dilution and other instructions of the detergent producer when using detergents.

Storage

Must not freeze.

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CE MARKING

	
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Teknos Oy Takkatie 3, P.O. Box 107 FI-00371 Helsinki, Finland 13 Declaration of Performance No. 0034	
0809-CPR-1063 EN 1504-2:2004 Surface protection products – Coatings Physical resistance (5.1)	
Abrasion resistance	Requirement: Weight loss less than 3000 mg
Capillary absorption and permeability to water	Requirement: $w < 0,1 \text{ kg/m}^2 \times \sqrt{h}$
Impact resistance	Class II: $> 10 \text{ Nm}$
Adhesion strength by pull-off test	Requirement: Rigid system with trafficking: $\geq 2,0 (1,5) \text{ N/mm}^2$
Dangerous substances	See safety data sheet

The information of this data sheet is based on laboratory tests and practical experience. The figures are for guidance only and depend on, for example, colour and gloss. As we have no control over the use and application conditions, we are only responsible for the quality of the product and guarantee that it conforms to our quality control. We accept no liability for any loss or damage resulting from the application of the product contrary to the directions or the intended use. The latest versions of our data sheets, material safety data sheets and system sheets are on our home pages www.teknos.com.



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