

TEKNOFLOOR AQUA
floor paint

PAINT TYPE	Water-borne acrylate based floor paint for indoor use. For new and previously with alkyd or acrylate paint painted concrete and wooden surfaces: floors and stairs, rooms, cellars, storage spaces etc. Finish: semigloss.
USAGE	Suitable for unpainted and previously with alkyd, urethane alkyd or acrylate paints painted surfaces of concrete and wood: for floors, stairs etc. in dry spaces indoors as well as for rooms, cellars and storage spaces when the surfaces are affected by normal strain.
APPROVALS	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	7 - 9 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: 0,9 L, 2,7 L, 9 L Base paint 3: 0,9 L, 2,7 L, 9 L Standard colours: T4017: 0,9 L, 2,7 L, 9 L
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SAFETY MARKINGS	See Safety Data Sheet.

DIRECTION FOR USE**Surface preparation**

Clean new surfaces from dust and dirt.
Wash previously painted surfaces with RENSA SUPER paint cleaner.
Matt down hard or gloss surfaces by sanding and thereafter remove the dust.

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 etching. Sanding is the best method for removing laitance. Brittle and powdery surfaces are sanded until hard ballast layer appears. After sanding the cement dust is vacuumed or brushed away. The surface is etched if sanding can not be performed. Use RENSA ETCHING Etching Liquid or diluted hydrochloric acid (1 part hydrochloric acid and 4 parts water). After the etching the floor is rinsed with water and allowed to dry.

OLD CONCRETE FLOOR:

Unpainted greasy floors can be cleaned by emulsifying wash. After the emulsifying wash the floor is acid etched if it is covered with laitance. Loose and poorly adherent old paint coats and laitance can be removed 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.

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

Unpainted, clean, dust-free and dry concrete or wood surface is primed with paint diluted 5 - 10 % by volume. Clean water is used for dilution. Wooden surfaces are sanded after 12 h drying, if needed.

Application

Before use stir the paint thoroughly.
The paint is diluted with water 5 - 10 % by volume, if needed. Clean water is used for dilution.

Apply once or twice by brush, roller or spray. Suitable nozzle for airless spray is 0.015 - 0.019".

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.

Storage

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. 0022	
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 I: $> 4 \text{ Nm}$
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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