TEKNOFLOOR AQUA OPAL 1432-50

Water-borne 2C-PU sealing coating for interior use

TEKNOFLOOR AQUA OPAL 1432-50 is a water-borne, highly abrasion-resistant 2C-PU floor sealing coating for low-emission treatment of practically all soft and hard wood species. The product is resistant to light and yellowing.

Designed for floors, which are subjected to severe wear stress, for example, sports halls and public premises. Complies with DIN 18032-2 and EN 14904 friction requirements for sports halls. The product is not suitable for the lacquering of diamond pine and chemically treated wood, e.g., smoked oak.

TECHNICAL DATA

Certificates, approvals and classification	M1 classification
Fields of application	Floors
Recommended substrate	Cork, Wood
Binder	Polyurethane
Solids	Approx. 30% by weight
Volatile organic compound (VOC)	Approx. 43 g/l (DIRECTIVE 2010/75/EU) The VOC value provided is the average value for factory produced products, and consequently it will be subject to variations between individual products covered by this Technical Data Sheet.
Theoretical spreading rate	120 g/m²; 8.3 m²/kg (roller or brush) 40 g/m²; 25 m²/kg (steel trowel maintenance lacquering)
Colours	Colourless.
Gloss (60°)	50
Hardener	Mix in hardener mechanically for several minutes. Comp. B: TEKNOFLOOR AQUA HARDENER 4550-99
Mixing ratio (A:B)	10:1 parts by weight
Pot life, +23°C	5-6 h
Density	Approx. 1.05 g/ml
Storage	Storage temperature is +5°C - +30°C. Store in a tightly closed container.

DIRECTION FOR USE

Surface preparation	Every substrate must be well-cleaned, dry and free from grease and oil. Coating removal: Sand

Application method

Brush, Roller, Trowel
For smoked oak and exotic woods, we recommend the use of our products TEKNOFLOOR AQUA RUBY 4500 with TEKNOFLOOR RENO PRIMER 3300-00 for better insulation of the substrate (crazing).
For renovations of light-coloured woods, we recommend the use of TEKNOFLOOR RENO PRIMER 3300-00 or TEKNOFLOOR RENO PRIMER NORDIC 3338-00 for better insulation of the substrate.

Do not use on pear wood without a primer. Risk of film formation faults.

When using on dark woods please refer to the instructions in our VTM 5564 "White discolouration" in the areas around the joints of sealed dark wood floors.

Application

Stir or shake the product well for several minutes before use, if necessary by machine.

APPLICATION ADVICE		
Enhances the natural structure of parquet floors		
	Product	Applied Quantity
Primer	TEKNOFLOOR RENO PRIMER 3300	125 g/m²
or	TEKNOFLOOR AQUA PARQUET PRIMER 4510	125 g/m²
Recoating	TEKNOFLOOR AQUA OPAL 1432	120 g/m²
Intermediate sanding	With grain 120-150	
Recoating	TEKNOFLOOR AQUA OPAL 1432	120 g/m²
Does not enhance the structure of parquet floors		
	Product	Applied Quantity
Primer	TEKNOFLOOR RENO PRIMER NORDIC 3338	125 g/m²
or	TEKNOFLOOR AQUA NATURE PRIMER 4538	125 g/m²
Recoating	TEKNOFLOOR AQUA OPAL 1432	120 g/m²
Intermediate sanding	With grain 120-150	
Recoating	TEKNOFLOOR AQUA OPAL 1432	120 g/m²
Cork		
	Product	Applied Quantity
Primer	TEKNOFLOOR AQUA OPAL 1432	125 g/m²
Intermediate sanding	With grain 120-150	
Recoating	TEKNOFLOOR AQUA OPAL 1432	125 g/m²
Cleaning & Care		
Cleaning	With RENSA PRO CLEAN 4582 Remove the dissolved dirt fully with a clean, moist cotton cloth. Let the surface dry.	
Initial care	With RENSA FLOOR POLISH 4580 undiluted, for larger surfaces dilute max. 20% with water.	
Maintenance	Maintenance while mopping: With 2% RENSA FLOOR POLISH 4580 in the mopping water.	
For further application proposals please ask our representative.		

Application conditions

Recommended temperature for surroundings and product: +15°C-25°C. Do not apply below +10°C. Ideal surface and object temperature for application: +18°C-22°C. Avoid application in direct sunlight. Underfloor heating systems must be adjusted well in advance.

Drying time	+23 °C / 50% RH
- dust free	2 h (15 min for steel trowel application)
- overcoatable	2-4 h (15-30 min for steel trowel application)
- fit for sanding	4 h (30 min for steel trowel application)
- through dry	7 days (7 days for steel trowel application)
	When using non-slip carpet underlay please ensure that only qualities that are suitable for water-borne coatings are used (contact supplier or manufacturer).
Cleaning	Wash the equipment immediately after use.

HEALTH AND SAFETY

Safety and precaution measures	See safety data sheet.
First aid	We recommend wearing personal protective clothing even in cases where no local regulations are in force. CH: The precautions according to local regulations (SUVA) with respect to hygiene and equipment must be observed.

ADDITIONAL INFORMATION

Maintenance instructions	Initial and maintenance care: After at least 3 weeks curing time with RENSA FLOOR POLISH 4580.

Teknos Group Oy Takkatie 3, P.O.Box 107 FI-00371 Helsinki, Finland Tel. +358 9 506 091

The above information is normative and based on laboratory tests and practical experiences. The information is noncommittal, and we cannot accept liability for the results obtained under working conditions beyond our control, and consequently the buyer or the user is not released from the obligation to test the suitability of our products for specific means and application methods under the actual application conditions. Our liability covers only damage caused directly by defects in the products supplied by Teknos. 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' Technical Data Sheets and Safety Data Sheets are available from our homepage www.teknos.com. All trademarks displayed on this document are the exclusive property of Teknos Group or its affiliated companies.