

SpecAqua 1K PUD Wood Coating

Water based polyurethane dispersion flooring lacquer for heavy domestic & medium commercial flooring.

A one component waterborne polyurethane dispersion, fast drying flooring lacquer.

Intended Uses:

SpecAqua 1K PUD Wood Coating is used on wooden floors in residential applications, restaurants, offices, small retail shops & hotel rooms for heavy domestic & medium commercial environments.

It brings out a nice, warm wood colouration while providing long lasting protection for wood floors. It is self-priming & non yellowing.

Properties:

- An exceptionally easy to use product and is applied by either brush, high-quality white mohair, sponge rollers or spray.
- It has the performance of 2 component lacquers with the simplicity of 1 component.
- Has excellent flexibility for natural wood flooring.
- Imparts a highly uniform matt to silk appearance even with brush application.
- Produces a bubble free smooth finish.
- Excellent resistance to scuff marks.
- Excellent resistance to water and household chemicals.
- Waterborne and odourless application allows application in areas with poor ventilation and people.
- Excellent clarity and accentuation/wood warming effect of natural wood surfaces.

Technical Data:

Colour	Clear
Sheen Level @ 60°	Matt: 10% Satin: 30% Silk: 50% Gloss: 80%
Density	1.06 Kg/ Litre (Clear)
Volume Solids	35%
Mix Ratio (Volume)	N/A – One component
Pot Life	N/A
Typical Film Thickness	100 – 120 gm/ m ² (8 – 10 m ² / Litre per coat)
Method of Application	Brush, roller, or spray
Number of Coats	Multiple to achieve high gloss
Drying (@ 20°C & 60% RH)	Sanding/Recoat – 3 hours Light Use – 24 hours Full Hardness – 7 days

Surface Preparation:

All pre-sealed surfaces to be coated must be dry, clean, and free from contamination. Prior to application the surface should be sanded to a smooth finish with fine sandpaper, working in the direction of the grain.

All sharp edges must be rounded off, ensure substrate is then free of dust by blowing with compressed air or making use of clean rags before application of coating.

- 150 – 180 grit with raw wood
- 150 – 400 grit for intermediate lacquer sanding

If coating with high gloss intermediate sanding of 600 – 800 grit is recommended.

Application:

Mixing	Stir or shake the base component well – at least 1 minute. The temperature of the mixed product should preferably be above 20°C.	
	Optimal application conditions are between 18 – 25°C and 30 – 60% relative air humidity.	
Untreated Wood	Apply 3 coats	
Note	It is recommended not to apply more than 2 full coats per day to avoid excessive wood swelling.	
Air	Apply the lacquer using a sponge or high-quality mohair rolling. Roll lightly with a smooth flowing motion alternately across and with the grain of the wood avoiding excessive application of product as this will result in a structured finish. Always maintain a wet edge during application to avoid overlap marks.	
	Allow proper drying between coats and anticipate longer drying for each coat applied.	
	Intermediate sanding should be done with no coarser than a p150 grit sandpaper to avoid scratch marks. Always remove dust before applying the subsequent coats. It's advisable to always sand between coats.	
	The floor will take light foot traffic after 8 hours, however, the surface needs 1 week to develop full hardness and cure prior to full traffic, heavy objects and floor cleaning chemical and water.	
Thinner	Water	Up to 15% if needed
Cleaner	SA65 Thinner	For dry paint & equipment
Work Stoppage	Do not allow material to remain in spray equipment after use, thoroughly flush and clean all equipment with water . Once the kit has been mixed, they should not be re-sealed and it is advised that of prolonged stoppages, work recommences with freshly mixed units.	
Clean Up	Clean all equipment immediately after use with water . It is advisable to periodically flush out spraying equipment during the course of the working day. Frequency of cleaning is dependant of upon the amount sprayed, temperature and elapsed time.	

Environment:

	Surface Temperature	Ambient Temperature	Relative Humidity
Minimum	15°C*	18°C	No lower limit
Maximum	25°C**	30°C	85%

* Or 3°C above dew point

Wood Finish: Polyurethane Lacquers

Whilst we endeavour to ensure that all advice we give about the product is correct, the information given in this data sheet is not intended to be exhaustive and any person using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so entirely at his own risk. As conditions of use, method of application and suitability of the substrate prior to painting are beyond our control, no guarantee is implied by the recommendations contained herein. We therefore do not accept any liability whatsoever or howsoever arising from the performance of this product or for any loss or damage arising out of the use of this product. The information contained in this sheet is liable to modification from time to time in the light of experience and ongoing product development programmes. It is the user's responsibility to ensure that this sheet is current prior to using the product

Limitations:

- Spills should be removed promptly.
- Necessary steps should always be taken to protect to floor and its finished against physical damage such as; indentations and scratches from furniture, dropped items, pets etc.
- Viscosity determines the flow properties, sag resistance, consistency of finish such as gloss levels etc.
- For best results bring the material temperature between 18 – 25°C, unless specifically instructed otherwise, prior to mixing with and application.
- Overcoating information is given for guidance only and is subject to local climate and environmental conditions. Consult a Specialized Coating Systems representative for specific recommendations.
- This product is not suitable for immersion conditions or exterior exposure.
- Unmixed material (in closed containers) should be maintained in protected storage in accordance with information given in the STORAGE section of this data sheet.
- Technical and application data herein is for the purpose of establishing a general guideline of the coating application procedures.
- Test performance results were obtained in a controlled laboratory environment and Specialized Coating Systems makes no claim that the exhibited published test results, or any other tests, accurately represent results found in all field environments. As application, environmental and design factors can vary, due care should be exercised in the selection and verification of the performance and use of the coating.

Pack Size:

5 & 20 Litre.

Storage:

- Shelf Life: 12 months minimum at 25°C from date of manufacture. Subject to inspection thereafter.
- Store in dry conditions out of direct sunlight, away from sources of heat or ignition.

Precautions:

For complete safety and handling information please refer to the appropriate Safety Data Sheets prior to using this product.