

SpecWood® WB HP Acrylic MultiCoat Lacquer

Multicoat water-based acrylate clear or pigmented lacquer

A one component waterborne self-cross-linking acrylate multicoat lacquer.

Intended Uses:

Formaldehyde free, water-based furniture and wood coating. A coating lacquer formulated for use on all interior wood.

SpecWood WB HP Acrylic Multicoat Lacquer is a fast-drying clear coat or pigmented lacquer for solid and veneered timber. It is designed for application to substrates that have been sealed/primed using SpecWood Spray Filler Primer for pigmented finishes or as a multicoat lacquer with self-sealing capabilities on timber and veneer.

SpecWood WB HP Acrylic Multicoat Lacquer is more suited to open pore finishing but can be used for close pore finishing with multiple coats with good accentuation of the wood grains. It dries to a tough, durable, mar and stain resistant surface. Suitable for application to almost all interior wood and furniture substrates where an attractive durable finish is required.

Product is suitable for surfaces needing good resistance to chemical and mechanical stresses such as school furniture, restaurants etc.

Features & Benefits:

- No odour and non-hazardous.
- Non-flammable.
- Fast drying.
- Excellent flow and wetting properties.
- Good durability against chemical and mechanical stresses.
- Excellent clarity in gloss and matt finishes.
- Medium build properties for excellent open grain appearance.
- Good scratch resistance.
- Very fast drying times in comparison to traditional NC and alkyd/urea systems without any of the safety or hazardous issues.
- Good reparability.
- Good stain and heat resistance.
- Good resistance to household chemicals.
- Good moisture resistance.
- Non-yellowing and non-fading.

Technical Data:

Colour	Clear or pigmented	
Sheen Level @ 60°	10% or 30%	
Density	1.06 Kg/ Litre (Clear)	
Non-Volatile %	37 – 40	
Pot Life	N/A	
Typical Film Thickness	80 – 120 g/m ² per coat	75 – 113µm (Wet Film Thickness) per coat
		30 – 45µm (Dry Film Thickness) per coat
Spreading Rate	8.8 – 13.3 m ² / Litre per coat, allowance should be made for site application losses & surface profile/porosity.	
Number of Coats	3 – max 360 g/m ²	
Method of Application	Spray	
Viscosity	40 – 50 seconds FC4	

WOOD & FURNITURE COATINGS:

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

Drying Information:

	0°C	5°C	10°C	25°C	30°C	40°C
Touch Dry	-	-	-	30 min	-	-
Sand	-	-	-	40 min	-	-
Stackable	-	-	-	24 hrs	-	-
Thorough	-	-	-	7 days	-	-
Overcoating Data – See Limitations						
Substrate Temp.	0°C	5°C	10°C	25°C	30°C	40°C
Minimum	-	-	-	1 hr	-	-
Maximum	-	-	-	48 hrs	-	-

Note:

Adequate ventilation should be maintained during application and curing. If the 24-hour overcoating window is exceeded the product should be lightly sanded prior to application of subsequent coats.

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 & steel.
- 320 – 400 grit with foil, melamine, filler-coated/primed substrates.
- 320 – 400 grit for intermediate lacquer sanding.

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

Application:

Mixing	Material is supplied in full containers. Stir the base component well with a flat-bottomed paddle or mechanical mixer until product is uniform. The temperature of the mixed product should preferably be above 20°C.		
Airless Spray	Recommended	Tip Range 11 – 17 Thou. Pressure at the tip should not be less than 140 bar (2000 PSI).	
Air Spray	Recommended	Gun	Pressure Feed
		Fluid Tip	1.4mm to 1.6mm
Thinner	Water	Up to 10%	
Cleaner	SA65 Thinner	For dry paint & equipment	

Environment:

	Surface Temperature	Ambient Temperature	Relative Humidity
Minimum	10°C*	15°C	No lower limit
Maximum	35°C**	45°C	85%

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Limitations:

- Viscosity determines the flow properties, sag resistance, consistency of finish such as gloss levels etc.
- For best results bring the material temperature between 20 – 30°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 & 200 Litre.

Storage:

- Shelf Life: 12 months 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.

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