



**NATIONAL POLYURETHANE WOOD TOPCOAT (2:1)
DECORATIVE COATINGS**

TECHNICAL DATA SHEET

NATIONAL POLYURETHANE WOOD TOPCOAT (2:1)

PRODUCT DESCRIPTION	A fast drying, two pack, polyurethane based topcoat, with excellent water resistance. The dry film is having excellent adhesion to wooden surfaces. The product is recommended for interior applications, even in marine environment.
RECOMMENDED USES	Wooden surfaces for all architectural purpose, where reasonably high degree of gloss and whiteness is required. Useful for production line application jobs.

TECHNICAL DATA

COLOUR, DRY FILM	As per National RAL shade card
FINISH, DRY FILM	Smooth, Gloss / Semigloss / Matt
VOLUME SOLIDS (ASTM D2697)	35 ± 2%
SPECIFIC GRAVITY	1.15 ± 0.05 (Mixed)
THEORETICAL SPREADING	8.5 M ² /LTR
RECOMMENDED DFT (DRY FILM)	40 Microns/Coat (Minimum) depends on wood
RECOMMENDED WFT (WET FILM)	115 Microns/Coat (Minimum) depends on wood
FLASH POINT	25°C

DRYING TIME

Drying time @ 30°C (Temperature, humidity, air movement, film thickness and number of coats all affect the drying time.)	
DUST FREE	10 – 15 minutes
TOUCH DRY	15 – 30 minutes
DRY TO RECOAT	2 hours
HARD DRY	24 hours
FULLY CURED	2 – 3 days

ADVANTAGES

NATIONAL POLYURETHANE WOOD CLEAR (2:1) SYSTEM	Two pack system with long pot life, easy to apply, good coverage, and excellent adhesion to wooden surfaces, excellent UV resistance properties.
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APPLICATION INSTRUCTION

SURFACE PREPARATION	Before application, the surface should be sound, clean and free from oil, grease, loose particles, dust, etc. Application can be done by the recommended application methods.
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APPLICATION DATA

APPLICATION METHOD	Conventional Spray or Auto spray
CLEANING/THINNING	National Polyurethane Thinner
THINNER (VOLUME)	15 - 20% depending on method of applications
CONV. SPRAY REQUIREMENTS	Possible
MIXING RATIO (BY VOLUME)	Base : Hardener 2 : 1 (Mix properly keep for 10-15 minutes before use)
POT LIFE @ 30°C (100 ml)	8 hours

SYSTEM

RECOMMENDED SYSTEM To be applied on prepared surface.	For wooden surface:	
	National Polyurethane Wood Primer White (2:1)	: 2 coats
	National Polyurethane Wood Topcoat (2:1)	: 1-2 coats

NATIONAL AND INTERNATIONAL TEST CERTIFICATES

Sr. No.	Test Description	Test Reference	Compliance
1	VOC	ISO 11890-2 USEPA 24	Local Regulatory Requirements

ADDITIONAL DATA

SHELF LIFE @ 30°C	18 months, in original sealed container, with proper storage conditions.
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HEALTH & SAFETY

SAFETY PRECAUTIONS	<p>As a general rule, avoid skin and eye contact by wearing overalls, gloves, goggles, and mask etc. Spillage on skin should immediately be removed by thorough washing with water and soap or suitable cleaner. Eye should be flushed with fresh water. Avoid inhalation of vapours and paint mist by wearing suitable mask. In the event of ingestion and eye contact, seek medical attention immediately. Painting must be carried out in well-ventilated area.</p> <p>This product contains flammable materials and should be kept away from the sparks and open flames, smoking in the area should not be permitted. Local safety regulations should be followed.</p>
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STORAGE & HANDLING

STORAGE	<p>Store the paint in proper storage conditions as per the local regulations. Keep the paint container in sealed condition under shed, away from direct sunlight and extreme temperatures. Do not stock paint material near to any ignition sources. Do not put back the half or unused material back in original container, containing the supplied paint, to avoid contamination. Handle with care. Stir well before use.</p>
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NOTE: We warranty only the quality of our product and this data sheet is based on results obtained from experience and tests. We reserve the right to change data without prior notice. For surface preparation, safety details refer specifier and safety data.

This data sheet supersedes all previous issued.
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