



**NATIONAL WOOD STAIN (ALKYD/OIL BASED)**  
**DECORATIVE COATINGS**

**TECHNICAL DATA SHEET**

**NATIONAL WOOD STAIN (ALKYD/OIL BASED)**

<b>PRODUCT DESCRIPTION</b>	It is a general-purpose transparent stain, based on oil-modified alkyd resin, for the interior and exterior applications on wooden surfaces. The transparent wood stain penetrates into the grains of the wooden surface and provides natural colour and appearance of the wood without hiding the grains. It offers, a natural and rich look to artificial and low quality woods. It can be over coated with National Synthetic Varnish.
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<b>RECOMMENDED USES</b>	National Wood Stain mostly is being used in the furniture/carpentry fields. It can be applied on timberwork such as doors, windows, tables, cupboards etc. to make natural and particular wooden colour and appearance on artificial or low quality wood. It is very easy to apply and provides a glossy finish. It is used for only air-drying purpose.
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**TECHNICAL DATA**

<b>COLOUR, DRY FILM</b>	National Wood Stain shade card
<b>FINISH, DRY FILM</b>	Glossy - transparent
<b>VOLUME SOLIDS (ASTM D2697)</b>	26 ± 2%
<b>SPECIFIC GRAVITY</b>	0.90 ± 0.03
<b>THEORETICAL SPREADING</b>	17.0 – 10.0 M <sup>2</sup> /LTR (Depends on wood and method of application)
<b>RECOMMENDED DFT (DRY FILM)</b>	15 – 25 Microns/Coat
<b>RECOMMENDED WFT (WET FILM)</b>	60 – 100 Microns/Coat
<b>FLASH POINT</b>	38°C

**DRYING TIME**

Drying time @ 30°C (Temperature, humidity, air movement, film thickness and number of coats all affect the drying time.)	
<b>TOUCH DRY</b>	4 – 6 hours
<b>*DRY TO RECOAT</b>	12 – 16 hours
<b>DRY TO OVER COAT</b>	24 hours

\*For same generic type paint.

**ADVANTAGES**

<b>NATIONAL WOOD STAIN (ALKYD/OIL BASED)</b>	Provides natural wood colours and appearance to ordinary wood, highly transparent and visible the wood grains, economical, glossy finish, easy to apply.
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**APPLICATION INSTRUCTION**

<b>SURFACE PREPARATION</b>	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**

<b>APPLICATION METHOD</b>	Brush, Spray, Cloth etc.
<b>CLEANING/THINNING</b>	National GP Thinner
<b>THINNER (VOLUME)</b>	Ready for use (if required max. 5%)
<b>CONV. SPRAY REQUIREMENTS</b>	Possible
<b>AIRLESS SPRAY REQUIREMENTS</b>	Pressure : 2000 – 2200 psi
<b>NOZZLE SIZE</b>	0.015” – 0.020”
<b>MIXING RATIO (BY VOLUME)</b>	NA
<b>POT LIFE @ 30°C (100 ml)</b>	NA

**SYSTEM**

<b>RECOMMENDED SYSTEM</b> To be applied on prepared surface.	National Wood Stain (Alkyd/Oil Based)	: 1 coat
	National Synthetic Varnish	: 2 coats

**ADDITIONAL DATA**

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

<b>SAFETY PRECAUTIONS</b>	<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**

<b>STORAGE</b>	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.
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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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