



NATIONAL SYNTHETIC VARNISH – GLOSS I
DECORATIVE COATINGS

TECHNICAL DATA SHEET

NATIONAL SYNTHETIC VARNISH – GLOSS I

PRODUCT DESCRIPTION	It is a general-purpose synthetic varnish, based on alkyd resin for architectural decorative clear to wooden, metal, masonry etc. applications. It dries to give flexible, tough, and durable film. It has very good adhesion on interior/exterior surfaces. It is a general-purpose topcoat clear for mild corrosive environments. It is washable and available in Gloss, Semi gloss and Matt finishes.
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RECOMMENDED USES	It is recommended as an architectural decorative varnish for masonry, wood, metal etc. surfaces in domestic and mild corrosive environments applications. It is not suitable for constant water immersion or over coating of zinc primed steel. It is used as a varnish clear on paneling, doors, windows, furniture etc. It is used for only air-drying purpose.
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TECHNICAL DATA

COLOUR, DRY FILM	Clear		
FINISH, DRY FILM	Glossy	Semi glossy	Matt
VOLUME SOLIDS (ASTM D2697)	42 ± 2%	45 ± 2%	48 ± 2%
SPECIFIC GRAVITY	0.90 ± 0.05	0.92 ± 0.05	0.94 ± 0.05
THEORETICAL SPREADING	16.5 – 14 M ² /LTR	18 – 15 M ² /LTR	19 – 16 M ² /LTR
RECOMMENDED DFT (DRY FILM)	25 – 30 Microns/Coat	25 – 30 Microns/Coat	25 – 30 Microns/Coat
RECOMMENDED WFT (WET FILM)	60 – 70 Microns/Coat	55 – 65 Microns/Coat	55 – 65 Microns/Coat
FLASH POINT	38°C	38°C	38°C

DRYING TIME

Drying time @ 30°C (Temperature, humidity, air movement, film thickness and number of coats all affect the drying time.)			
TOUCH DRY	Glossy 8 – 10 hours	Semi glossy 6 – 8 hours	Matt 6 – 8 hours
DRY TO RECOAT	24 hours	24 hours	24 hours
HARD DRY	48 hours	48 hours	48 hours

ADVANTAGES

NATIONAL SYNTHETIC VARNISH – GLOSS I	Very good adhesion and durability, flexible, tough and washable coating, suitable topcoat varnish for mild corrosive environments, decorative finish.
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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	Brush, Roller, Spray etc.
CLEANING/THINNING	National GP Thinner
THINNER (VOLUME)	5 – 10% depends on the method of application
CONV. SPRAY REQUIREMENTS	Possible
AIRLESS SPRAY REQUIREMENTS	Pressure : 2000 – 2200 psi
NOZZLE SIZE	0.018” – 0.020”
MIXING RATIO (BY VOLUME)	One pack
POT LIFE @ 30°c (100 ml)	NA

SYSTEM

RECOMMENDED SYSTEM To be applied on prepared surface.	On National recommended system
	National Synthetic Varnish – Gloss I : 2 coats

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	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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