



NATIONAL SYNTHETIC ENAMEL GLOSS II
DECORATIVE COATINGS

TECHNICAL DATA SHEET

NATIONAL SYNTHETIC ENAMEL GLOSS II

PRODUCT DESCRIPTION	It is a fast drying synthetic enamel paint based on modified high quality alkyd resin for protection to interior/exterior surfaces applications. It dries to give a tough, flexible and high gloss finish with very good adhesion and durability. It is resistant to cracks and withstands abrasion.
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RECOMMENDED USES	It is recommended as a fast drying protective coating for interior/exterior surfaces like metal, wood, etc. It is also suitable for painting heavy equipments, vehicle repaint, super structures, cranes, bridges, pipeline etc. in mild industrial environments. It has an excellent opacity and hides minor surface imperfections. It is used for only air – drying purpose.
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TECHNICAL DATA

COLOUR, DRY FILM	As per National Shade Card
FINISH, DRY FILM	Smooth / Glossy (Semi Gloss/Matt also available)
VOLUME SOLIDS (ASTM D2697)	50 ± 2%
SPECIFIC GRAVITY	1.10 ± 0.05 (White and Pastel Shades)
THEORETICAL SPREADING	16.5 – 12.5 M ² / LTR
RECOMMENDED DFT (DRY FILM)	30 – 40 Microns / Coat
RECOMMENDED WFT (WET FILM)	60 – 80 Microns / Coat
FLASH POINT	28°C
FLEXIBILITY	Good

DRYING TIME

Drying time @ 30°C (Temperature, humidity, air movement, film thickness and number of coats all affect the drying time.)	
TOUCH DRY	2 – 3 hours
*DRY TO RECOAT	8 – 10 hours
HARD DRY	24 hours

* For same generic type paint.

ADVANTAGES

NATIONAL SYNTHETIC ENAMEL GLOSS II	High gloss, resistant to cracks and withstands abrasions, very good washability for easy cleaning, tough, and flexible film, very good adhesion and durability, excellent opacity, fast drying.
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APPLICATION INSTRUCTION

SURFACE PREPARATION	It can be applied directly over intermediate coat or primed substrate. Galvanized steel, aluminum and other light metal alloys should be etched or wash primed before primer and undercoat application.
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APPLICATION DATA

APPLICATION METHOD	Brush, Roller, Spray etc.
CLEANING/THINNING	National GP Thinner
THINNER (VOLUME)	5 – 10% depends on method of application
CONV. SPRAY REQUIREMENTS	Atomizing Pressure: 50 psi
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)	Not Applicable

SYSTEM

RECOMMENDED SYSTEM To be applied on prepared surface. (For non – ferrous metal surfaces use suitable primer, prior to topcoat application.)	No. of coats X DFT (micron)	
	<u>For Metal Surface (Ferrous)</u>	
	National Red Oxide Primer	: 1 x 40
	National Synthetic Undercoat	: 1 x 40
	National Synthetic Enamel Gloss II	: 2 x 40

NATIONAL/INTERNATIONAL TEST CERTIFICATES

Sr. No.	Test Description	Test Reference	Compliance
1	VOC	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 to 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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