



**NATIONAL POLYURETHANE METALLIC
DECORATIVE COATINGS**

TECHNICAL DATA SHEET

NATIONAL POLYURETHANE METALLIC

PRODUCT DESCRIPTION	Two pack, colour retentive glossy polyurethane topcoat, with excellent water resistance, salt and corrosion resistance. The dry film is having excellent adhesion to various surfaces, flexibility and impact resistance. Due to its superior U.V. resistance, it is recommended for interior and exterior applications, even in marine environment.
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RECOMMENDED USES	<ul style="list-style-type: none"> - Topcoat for Epoxy system - Topcoat on steel, wood and masonry - Recommended as topcoat for extreme climatic conditions
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TECHNICAL DATA

COLOUR, DRY FILM	RAL 9006
FINISH, DRY FILM	Glossy
VOLUME SOLIDS (ASTM D2697)	30 ± 2%
SPECIFIC GRAVITY	1.00 ± 0.05 (Mixed)
THEORETICAL SPREADING	10 M ² /LTR
RECOMMENDED DFT (DRY FILM)	30 Microns/Coat
RECOMMENDED WFT (WET FILM)	100 Microns/Coat
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.)	
TOUCH DRY	3 – 5 hours
DRY TO RECOAT	12 – 24 hours
FULLY CURED	48 hours

ADVANTAGES

NATIONAL POLYURETHANE METALLIC SYSTEM	Two pack system with long pot life, easy to apply, good coverage, Excellent adhesion to various surfaces, flexibility, impact resistance, Superior U.V. resistance with metallic effect.
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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 or Spray
CLEANING/THINNING	National Polyurethane Thinner
THINNER (VOLUME)	5-15% depending on method of applications
CONV. SPRAY REQUIREMENTS	Possible
AIRLESS SPRAY REQUIREMENTS	Pressure : 2100 psi
NOZZLE SIZE	0.018” – 0.020”
MIXING RATIO (BY VOLUME)	Base : Hardener 4:1 (Mix properly keep for 10-15 minutes before use)
POT LIFE @ 30°C (100 ml)	4 – 5 hours

SYSTEM

RECOMMENDED SYSTEM To be applied on prepared surface.	National Guard Primer for Cement Clear	: 1 coat
	OR	
	National Polyurethane Primer	: 1 coat
	National Polyurethane Metallic	: 1 – 2 coats

ADDITIONAL DATA

SHELF LIFE @ 30°C	12 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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