



NATIONAL WASH PRIMER
PROTECTIVE COATINGS

TECHNICAL DATA SHEET

NATIONAL WASH PRIMER

PRODUCT DESCRIPTION	A two pack primer with moderate etching effect when applied to Aluminium, galvanized and blast cleaned stainless steel surfaces. It creates required anchoring on the substrate and thereby improves the adhesion of the coating to the surface. It is to be used only for bare non-ferrous metal applications.
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RECOMMENDED USES	As an etch primer for aluminium and galvanized metals to promote the adhesion of subsequent coating to the surface. It is to be applied as a thin film only on the bare metal surfaces. Wash primer is recommended only if it is recommended.
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TECHNICAL DATA

COLOUR, DRY FILM	Greenish – Yellow
FINISH, DRY FILM	Smooth / Matt
VOLUME SOLIDS (ASTM D2697)	20 ± 2%
SPECIFIC GRAVITY	0.92 ± 0.05 (mix)
THEORETICAL SPREADING RANGE	40 – 20 M ² /LTR
RECOMMENDED DFT RANGE (DRY FILM THICKNESS)	5 – 10 Microns/Coat
RECOMMENDED WFT RANGE (WET FILM THICKNESS)	25 – 50 Microns/Coat
FLASH POINT	7°C

DRYING TIME

Drying time @ 30°C (Temperature, humidity, air movement, film thickness and number of coats all affect the drying time.)	
TOUCH DRY	15 minutes
DRY TO RECOAT	1 hour
FULLY CURED	24 hours

ADVANTAGES

NATIONAL WASH PRIMER	Etch primer, suitable for galvanized and aluminium surfaces, required low film thickness on surface, adhesion promoter for further coatings on non-ferrous substrates.
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APPLICATION INSTRUCTION

SURFACE PREPARATION	<p>For steel: Oil and grease should be removed by solvent cleaning. An abrasive blasting to Sa2 is required for proper anchoring.</p> <p>For Aluminium: Solvent cleaning followed by blast cleaning with a fine grade abrasive or by chemical etching.</p> <p>Galvanized Zinc Primed Steel: Remove zinc salts by power or hand tool cleaning. Solvent clean the surface to make it free from oil, grease, loose particles.</p>
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APPLICATION DATA

APPLICATION METHOD	Brush, Roller or Spray
CLEANING/THINNING	National Wash Primer Thinner (thinner should only be added after mixing the components)
THINNER (VOLUME)	5 – 10% depending on the method of application.
CONV. SPRAY REQUIREMENTS	Atomizing pressure: 40 psi
AIRLESS SPRAY REQUIREMENTS	Pressure : 1500 – 2000 psi
NOZZLE SIZE	0.015” – 0.020”
MIXING RATIO (BY VOLUME)	Base : Hardener 4:1 (Mix properly before use)
POT LIFE @ 30°C (100 ml)	8 hours (reduced at higher temperature) Note: Material may gel at elevated temperature.

SYSTEM

RECOMMENDED SYSTEM To be applied on prepared non-ferrous surfaces. Surfaces should be clean and free from oil, grease and loose particles. Temperature of the substrate should be at least 3°C above the dew point of air.	No. of coats x DFT (micron)	
	National Wash Primer	1 x 10
	National Zinc Chromate Primer	: 1 x 50
	OR	
	National Synthetic Undercoat	: 1 x 50
	National Recommended Suitable System	

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 airmask 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 airmask. In the event of ingestion and eye contact, seek medical attention immediately. Painting must be carried out in well-ventilated area.</p> <p>This as industrial 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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