



**NATIONAL ZINC CHROMATE PRIMER
DECORATIVE COATINGS**

TECHNICAL DATA SHEET

NATIONAL ZINC CHROMATE PRIMER

PRODUCT DESCRIPTION	A general – purpose alkyd based anti – corrosive primer with zinc chromate pigments, for the protection of steel surfaces against corrosion in industrial and moderate corrosive environments. The product offers good leveling and high coverage with excellent adhesion on steel substrates. It is an economical anticorrosive primer for general – purpose applications.
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RECOMMENDED USES	It is recommended for steel structures and surfaces in moderate corrosive environments. It is not suitable for constant water immersion or over coating of zinc primed steel. It is also recommended for the applications on light metal alloy surfaces. It is used for only air – drying applications. It can be over coated with National Alkyd based paints.
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TECHNICAL DATA

COLOUR, DRY FILM	Yellowish Green
FINISH, DRY FILM	Smooth / Matt
VOLUME SOLIDS (ASTM D2697)	56 ± 2%
SPECIFIC GRAVITY	1.55 ± 0.05
THEORETICAL SPREADING	18.5 – 14 M ² / LTR
RECOMMENDED DFT (DRY FILM)	30 – 40 Microns / Coat
RECOMMENDED WFT (WET FILM)	55 – 72 Microns / Coat
FLASH POINT	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	30 – 45 minutes
*DRY TO RECOAT	12 hours
HARD DRY	24 hours

ADVANTAGES

NATIONAL ZINC CHROMATE PRIMER	Excellent adhesion, good anti – corrosive property, good leveling and high coverage, suitable for the surfaces of light metal alloy, economical.
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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 – 15% depends on 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.	National Zinc Chromate Primer	: 1 coat
	National Synthetic Undercoat	: 1 coat
	National Synthetic Enamel Gloss I	: 2 coats
	(OR)	
	National Synthetic Enamel Gloss II	: 2 coats

NATIONAL/INTERNATIONAL TEST CERTIFICATES

Sr. No.	Test Description	Test Reference	Compliance
1	VOC	ISO 11890 – 2 USEPA – 24 GC – FID	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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