



NATIONAL ZINC PHOSPHATE QUICK DRYING PRIMER
PROTECTIVE COATINGS

TECHNICAL DATA SHEET

NATIONAL ZINC PHOSPHATE QUICK DRYING PRIMER

PRODUCT DESCRIPTION	A Quick Drying Alkyd based anti-corrosive Primer pigmented with zinc phosphate. Dry film is tough, hard and has moderate chemical resistance, with excellent adhesion, can be overcoated with National alkyd systems. It does not contain chromates.
----------------------------	--

RECOMMENDED USES	Quick drying anti-corrosive primer for structural steel, tanks and pipelines in moderately corrosive atmosphere. It is suitable for the interior and exterior applications as part of the alkyd systems.
-------------------------	--

TECHNICAL DATA

COLOUR, DRY FILM	Grey
FINISH, DRY FILM	Smooth / Matt
VOLUME SOLIDS (ASTM D2697)	55 ± 2%
SPECIFIC GRAVITY	1.55 ± 0.05
THEORETICAL SPREADING RANGE	13.8 – 11.0 M ² /LTR
RECOMMENDED DFT RANGE (DRY FILM THICKNESS)	40 – 50 Microns/Coat
RECOMMENDED WFT RANGE (WET FILM THICKNESS)	75 – 92 Microns/Coat
FLASH POINT	25°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	5 – 10 minutes
DRY TO RECOAT/OVER COAT	10 hours
HARD DRY	12 hours

ADVANTAGES

NATIONAL ZINC PHOSPHATE QUICK DRYING PRIMER	Quick drying single component primer. Contains no chromates. The dry film is tough, hard and can be overcoated with National Alkyd based system, excellent adhesion on properly cleaned steel surfaces.
--	---



**NATIONAL ZINC PHOSPHATE QUICK DRYING PRIMER
PROTECTIVE COATINGS**

TECHNICAL DATA SHEET

APPLICATION INSTRUCTION

SURFACE PREPARATION	<p><u>New Steel:</u> All surfaces to be coated should be clean, dry and free from any contamination. Oil and grease should be removed by solvent cleaning as per SSPC-SP1. Abrasive blast cleaning to Sa 2.5 or mechanical cleaning using hand/power tool to minimum of St 2 standard should be done.</p> <p><u>Repair/Maintenance:</u> Existing paints system should be dry and free from salt and other contaminants. Corroded and/or damaged areas should be blast cleaned to Sa 2 or power tool cleaned to St 3.</p>
----------------------------	--

APPLICATION DATA

APPLICATION METHOD	Conventional Spray	Brush
CLEANING/THINNING	National Q.D. Thinner	
THINNER (VOLUME)	5 – 10%	5%
CONV. SPRAY REQUIREMENTS	Atomizing Pressure : 50 psi	
AIRLESS SPRAY REQUIREMENTS	Not applicable	
NOZZLE SIZE	Not applicable	
MIXING RATIO (BY VOLUME)	Not applicable	
POT LIFE @ 30°C (100 ml)	Not applicable	

SYSTEM

RECOMMENDED SYSTEM To be applied on prepared surface.	No. of Coats x DFT (Microns)	
	National Zinc Phosphate Quick Drying Primer	: 1 x 40
	National Synthetic Enamel Gloss I (OR)	: 2 x 35
	National Synthetic Enamel Gloss II (OR)	: 2 x 35
	National Industrial Quick Drying Enamel	: 2 x 35

ADDITIONAL DATA

SHELF LIFE @ 30°C	18 months, in original sealed container, with proper storage conditions.
--------------------------	--



**NATIONAL ZINC PHOSPHATE QUICK DRYING PRIMER
PROTECTIVE COATINGS**

TECHNICAL DATA SHEET

HEALTH & SAFETY

<p>SAFETY PRECAUTIONS</p>	<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 ignition sources. Local safety regulations should be followed.</p>
--------------------------------------	--

STORAGE & HANDLING

<p>STORAGE</p>	<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>
-----------------------	---

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.
Issued: 0608

