



NATIONAL GUARD PRIMER FOR CEMENT CLEAR
DECORATIVE COATINGS

TECHNICAL DATA SHEET

NATIONAL GUARD PRIMER FOR CEMENT CLEAR

PRODUCT DESCRIPTION	A two pack Polyamide Cured Epoxy Primer Clear, with excellent penetrating properties in various surfaces. It has excellent adhesion, water resistance and chemical resistance. The dried film has very good sealing properties. It has excellent salt resistance properties.
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RECOMMENDED USES	<ul style="list-style-type: none"> - General Purpose Epoxy Primer for cement, wood, wall, stones etc. - Primer and Sealer for Full Epoxy System - Primer for epoxy textured coatings, epoxy flooring system - Can be over coated with Acrylic, Polyurethane, Epoxy Systems - Suitable for old and new surfaces for maintenance.
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TECHNICAL DATA

COLOUR, DRY FILM	Clear
FINISH, DRY FILM	Glossy
VOLUME SOLIDS (ASTM D2697)	34 ± 2%
SPECIFIC GRAVITY	0.95 ± 0.05 (Mix)
THEORETICAL SPREADING	11.3 – 8.5 M ² /LTR
RECOMMENDED DFT (DRY FILM)	30 – 40 Microns/Coat
RECOMMENDED WFT (WET FILM)	90 – 120 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 – 6 hours
DRY TO RECOAT	12 - 36 hours
FULLY CURED	7 days

ADVANTAGES

NATIONAL GUARD PRIMER FOR CEMENT CLEAR	Two components Epoxy Primer – Sealer, Excellent – Penetrating properties. Excellent adhesion on various surfaces. Better water and chemical resistance.
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APPLICATION INSTRUCTION

SURFACE PREPARATION	<p><u>New Construction:</u> Concrete floors, to be coated should be allowed to cure for at least 28 days. Floor should be sound, clean and free from oils, grease, mortar, loose particles, dust etc. Laitance should be removed by the use of mechanical means such as vacuum recovery shot blasting. Moisture content should be less than 5%.</p> <p><u>Existing Substrate:</u> All contamination must be removed and a sound clean substrate should be exposed. Mechanical means of preparation are preferred followed by the removal of dust and other loose debris using an industrial vacuum. All cracks and minor damage – surface should be repaired and allow to dry prior priming.</p>
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APPLICATION DATA

APPLICATION METHOD	Brush, Roller or Spray
CLEANING/THINNING	National Epoxy Thinner
THINNER (VOLUME)	5 – 10% depending on method of applications
CONV. SPRAY REQUIREMENTS	Possible
AIRLESS SPRAY REQUIREMENTS	Pressure : 2200 psi
NOZZLE SIZE	0.015” – 0.018”
MIXING RATIO (BY VOLUME)	Base : Hardener 4 : 1 (Mix properly, keep 15 – 20 minutes before use)
POT LIFE @ 30°C (100 ml)	8 hours

SYSTEM

RECOMMENDED SYSTEM To be applied on prepared surface.	<u>For cementitious surface, walls, wood:</u>	
	National Guard Primer for Cement (Clear)	: 1 coat
	National Guard Undercoat H.B.	: 1 coat
	National Guard Topcoat	: 2 coats
	(OR)	
	Nationalthane Topcoat	: 2 coats
	<u>For Floorings:</u>	
	National Guard Primer for Cement (Clear)	: 1 coat
National Recommended Flooring System		



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NATIONAL/INTERNATIONAL TEST CERTIFICATES

Sr. No.	Test Description	Test Reference	Compliance
1	VOC	ISO 11890 – 2 USEPA - 8260 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	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. 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.
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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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