



**NATIONAL GUARD EPOXY FLOORING PRIMER S.F.
DECORATIVE COATINGS**

TECHNICAL DATA SHEET

NATIONAL GUARD EPOXY FLOORING PRIMER S.F.

PRODUCT DESCRIPTION	A two pack solvent free amine cured high solid primer coating with excellent leveling properties on various surfaces. It has excellent adhesion, water resistance and chemical resistance. The dried film has very good sealing properties. It has excellent salt resistance property also.
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RECOMMENDED USES	<ul style="list-style-type: none"> - High build, high performance Epoxy Primer for cement, wood, wall, stones etc. - Primer and sealer for Full Epoxy System - Primer for Epoxy Flooring System - Can be over coated with National Polyurethane Flooring H.B.
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TECHNICAL DATA

COLOUR, DRY FILM	Clear / Transparent
FINISH, DRY FILM	Smooth / Glossy
VOLUME SOLIDS (ASTM D2697)	100%
SPECIFIC GRAVITY	1.09 ± 0.05 (mixed)
THEORETICAL SPREADING	6.6 M ² /LTR
RECOMMENDED DFT (DRY FILM)	150 Microns/Coat
RECOMMENDED WFT (WET FILM)	150 Microns/Coat
FLASH POINT	100°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 – 4 hours
DRY TO RECOAT	8 hours (minimum) – 72 hours (maximum)
FULLY CURED	7 days

ADVANTAGES

NATIONAL GUARD EPOXY FLOORING PRIMER S.F.	Two component high build Epoxy Primer – Sealer, Excellent leveling properties. Excellent adhesion on various surfaces. Also has excellent 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 to priming.</p>
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APPLICATION DATA

APPLICATION METHOD	Airless Spray, Trowel, Roller or Brush (touch-up)
CLEANING/THINNING	National Epoxy Thinner
THINNER (VOLUME)	Ready to use
CONV. SPRAY REQUIREMENTS	Not Applicable
AIRLESS SPRAY REQUIREMENTS	Pressure: 3000 psi
NOZZLE SIZE	0.025" - 0.030"
MIXING RATIO (BY WEIGHT)	Base : Hardener 2 : 1 (Mix thoroughly before use.)
POT LIFE @ 30°C (100 ml)	15 – 20 minutes

SYSTEM

RECOMMENDED SYSTEM To be applied on prepared surface.	For cementitious surface, walls, wood:	
	National Guard Primer for Cement Clear	: 1 coat
	AND / OR	
	National Guard Epoxy Flooring Primer S.F.	: 1 coat
	National Guard Epoxy Flooring S.F.	: 2 coats
	OR	
Other National Recommended System.		

NATIONAL/INTERNATIONAL TEST CERTIFICATES

Sr. No.	Test Description	Test Reference	Compliance
1	VOC	USEPA 24	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. Smoking in the area should not be permitted. Local safety regulations should 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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