

NATIONAL POLYURETHANE TOP COAT

DESCRIPTION	Two packs, color retentive glossy National Polyurethane Topcoat , with excellent water resistance, salt and corrosion resistance. The dry film has excellent adhesion to various surfaces, excellent flexibility and impact resistance. U.V. resistance is superior, the product is recommended for interior and exterior applications, even in marine conditions.
RECOMMENDED USE	<ul style="list-style-type: none"> - Topcoat for textured coating system - Topcoat for Epoxy system - Topcoat on steel, wood and masonry - Recommended as topcoat for extreme climatic conditions

TECHNICAL DATA

Colors	As per National shade card
Finish	Smooth, Glossy / Semi glossy / Matt
Specific Gravity	1.20 ± 0.05 (Mix)
Volume Solid (ASTM D2697)	47 ± 2%
Theoretical Spreading Rate	12 m ² /Lit.
Recommended Thickness	(Dry Film) 40 Microns / Coat (Wet Film) 85 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	2 - 3 hrs.
Recoatable	12 hrs.
Fully cured	48 hrs.

ADVANTAGES

National Polyurethane Topcoat Two pack system with long pot life, easy to apply, good coverage, adhesion to various surfaces, excellent flexibility, impact resistance, and superior U.V. resistance.

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.

APPLICATION DATA

Application Methods	Brush, Roller or Spray
Thinner / Cleaning of Tools	National Polyurethane Thinner
Thinner (Volume)	5 - 15% depending on method of applications
Mixing Ratio (ByVolume)	Base : Hardener 4 : 1 (Mix thoroughly keep for 10 - 15 minutes before use)
Potlife @ 30°C (100 ml.)	8 hours
Conv. Spray Requirements	Possible
Guiding Data for Airless Spray	Pressure : 2100 psi
Nozzle Size	0.018" – 0.020"

SYSTEM

RECOMMENDED SYSTEM To be applied on the prepared surface.	For cementitious surface: <div> National PVA Primer White Tex Primer /Acrylic Primer (W.B.) : 1 coat </div>
	<div> National Nutex (Spray Texture) : 1 coat </div>
	<div> National Polyurethane Topcoat 2 coats </div>
	For steel and metal surfaces: <div> National Guard Zinc Phosphate Epoxy Primer (OR) 1 coat </div>
	<div> National Guard Epoxy Red Oxide Primer (OR) 1 coat </div>
	<div> National Recommended Suitable Primer 1 coat </div>
	<div> National Polyurethane Topcoat 2 coats </div>
MISCELLANEOUS DATA	
STORAGE	The product must be stored according to National Regulations. The product should be kept in a cool and well ventilated place, protected from heat and direct sunlight at temp 5 - 35°C. Containers must be kept tightly closed.
HANDLING	Handle with care, mix well before use.
SHELF LIFE	18 months, in original sealed container, with proper storage conditions.
SAFETY / HEALTH	<ul style="list-style-type: none"> - Ensure good ventilation during application and drying. - Avoid contact with skin and eyes. While painting it is advisable to wear eye protector. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. To remove splashes from skin; use soap and water or a recognized skin cleaner. - Keep out of reach of children. - 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 should be followed.
TDS ISSUE NO. & DATE	(2) - April 2014
NOTE:	<i>We warranty the quality of our product and this data sheet represents test results and practical experience obtained under controlled conditions. We reserve the right to change data without prior notice.</i>