



**NATIONAL SHIELD TOPCOAT - GLOSS**  
DECORATIVE COATINGS

**TECHNICAL DATA SHEET**

## NATIONAL SHIELD TOPCOAT – GLOSS

<b>PRODUCT DESCRIPTION</b>	National Shield Topcoat Gloss is a 100% pure acrylic emulsion based paint with superior quality pigments, having excellent durability and long lasting beautiful smooth glossy finish. It has excellent adhesion and alkali resistance with excellent water resistance. It is highly washable for easy cleaning and has very low dirt pick up property. It has very good hiding and leveling properties. It contains anti fungal and anti bacterial additives.
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<b>RECOMMENDED USES</b>	National Shield Topcoat Gloss is suitable for the glossy finish, water based decorative coating to, interior or exterior applications of concrete, plaster, gypsum, brickwork, wood, masonry work – villa, shopping complexes, high rise buildings etc. It provides odourless smooth finishes with long durability and is suitable for the less ventilated area application. It can also be used as a topcoat for National ecosystem.
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### TECHNICAL DATA

<b>COLOUR, DRY FILM</b>	Unlimited Colours
<b>FINISH, DRY FILM</b>	Smooth, Gloss
<b>VOLUME SOLIDS (ASTM D2697)</b>	43 ± 2%
<b>SPECIFIC GRAVITY</b>	1.17 ± 0.05
<b>THEORETICAL SPREADING</b>	11 – 8.5 M <sup>2</sup> /LTR
<b>RECOMMENDED DFT (DRY FILM)</b>	40 – 50 Microns / Coat
<b>RECOMMENDED WFT (WET FILM)</b>	95 –115 Microns / Coat
<b>FLASH POINT</b>	Water Base

### DRYING TIME

Drying time @ 30°C (Temperature, humidity, air movement, film thickness and number of coats all affect the drying time.)	
<b>TOUCH DRY</b>	1 – 2 hours
<b>DRY TO RECOAT</b>	4 – 6 hours
<b>FULL DRY</b>	24 hours



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### **ADVANTAGES**

<b>NATIONAL SHIELD TOPCOAT – GLOSS</b>	Odourless, high gloss decorative & protective coating, highly washable, excellent alkali, water resistance and adhesion, long lasting glossy finish, very low dirt pick up, very good UV and weather resistance properties.
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### **APPLICATION INSTRUCTION**

<b>SURFACE PREPARATION</b>	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**

<b>APPLICATION METHOD</b>	Roller, Brush or Spray
<b>CLEANING/THINNING</b>	Water
<b>THINNER (VOLUME)</b>	Water maximum 10 % depends on method of application
<b>CONV. SPRAY REQUIREMENTS</b>	Possible
<b>AIRLESS SPRAY REQUIREMENTS</b>	Pressure: 2100 psi
<b>NOZZLE SIZE</b>	0.018” - 0.021”
<b>MIXING RATIO (BY VOLUME)</b>	NA
<b>POT LIFE @ 30°C (100 ml)</b>	NA

### **SYSTEM**

<b>RECOMMENDED SYSTEM</b> To be applied on prepared surface.	National Acrylic Primer (W.B.)	: 1 coat
	National Shield Topcoat - Gloss	: 2 coats
	(OR)	
	Leveling (if required): National Shield Exterior Filler	: 2 coats

### **NATIONAL/INTERNATIONAL TEST CERTIFICATES**

<b>Sr. No.</b>	<b>Test Description</b>	<b>Test Reference</b>	<b>Compliance</b>
1	VOC	USEPA 8260	Local Regulatory Requirements

### **ADDITIONAL DATA**

<b>SHELF LIFE @ 30°C</b>	18 months, in original sealed container, with proper storage conditions.
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### **HEALTH & SAFETY**

<b>SAFETY PRECAUTIONS</b>	Generally, most of the water base paints are quite safe to handle with due 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. Local safety regulations to be followed.
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### **STORAGE & HANDLING**

<b>STORAGE</b>	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 keep 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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