



**NATIONALTHANE PEARL FINISH  
DECORATIVE COATINGS**

**TECHNICAL DATA SHEET**

## **NATIONALTHANE PEARL FINISH**

<b>PRODUCT DESCRIPTION</b>	It is a fast drying, two component Polyurethane based, Pearlescent coating. It is mainly used for the application of metal, cementitious, wooden surfaces. It has excellent resistance to water, abrasion and marine environments, with excellent U.V. resistance. It has high gloss retention with elegant pearl appeal.
----------------------------	---

<b>RECOMMENDED USES</b>	As a topcoat for metal, cementitious and wooden surfaces. Recommended for interior and exterior applications. Also recommended on metal profiles and for maintenance jobs.
-------------------------	--

### **TECHNICAL DATA**

<b>COLOUR, DRY FILM</b>	As per National Shade Card
<b>FINISH, DRY FILM</b>	Smooth / Glossy / Pearlescent
<b>VOLUME SOLIDS (ASTM D2697)</b>	27 ± 2%
<b>SPECIFIC GRAVITY</b>	1.00 ± 0.05 (mixed)
<b>THEORETICAL SPREADING</b>	9 M <sup>2</sup> /LTR
<b>RECOMMENDED DFT (DRY FILM)</b>	30 Microns/Coat
<b>RECOMMENDED WFT (WET FILM)</b>	110 Microns/Coat
<b>FLASH POINT</b>	25°C

### **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>	3 – 5 hours
<b>DRY TO RECOAT</b>	12 – 24 hours
<b>HARD DRY</b>	48 hours
<b>FULLY CURED</b>	2 – 3 days

### **ADVANTAGES**

<b>NATIONALTHANE PEARL FINISH SYSTEM</b>	Pearlescent effect, with excellent water resistance, chemical resistance and abrasion resistance. The dried film is also resistant to high impact.
--	--



**NATIONALTHANE PEARL FINISH  
DECORATIVE COATINGS**

**TECHNICAL DATA SHEET**

### **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.
----------------------------	---

### **APPLICATION DATA**

<b>APPLICATION METHOD</b>	Conventional spray, Airless Spray, roller.
<b>CLEANING/THINNING</b>	National Polyurethane Thinner
<b>THINNER (VOLUME)</b>	5%, depending on method of application
<b>CONV. SPRAY REQUIREMENTS</b>	Pressure: 50 psi
<b>AIRLESS SPRAY REQUIREMENTS</b>	Pressure : 2200 psi
<b>NOZZLE SIZE</b>	0.016" – 0.019"
<b>MIXING RATIO (BY VOLUME)</b>	Base : Hardener 4:1 (Mix properly keep for 10-15 minutes before use)
<b>POT LIFE @ 30°C (100 ml)</b>	8 hours

### **SYSTEM**

<b>RECOMMENDED SYSTEM</b> To be applied on prepared surface.	<u>For Metal and Cementitious surfaces:</u>	
	National Polyurethane Primer	: 1 coat
	Nationalthane Pearl Finish	: 1 coat
	<u>For more glossy effect apply:</u>	
	Nationalthane Varnish	: 1 coat
	<b>OR</b>	
	Other National recommended system.	

### **ADDITIONAL DATA**

<b>SHELF LIFE @ 30°C</b>	6 months, in original sealed container, with proper storage conditions.
--------------------------	---



**NATIONALTHANE PEARL FINISH**  
**DECORATIVE COATINGS**

**TECHNICAL DATA SHEET**

### **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 should be followed.

### **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.

**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: 0718