



**NATIONAL SYNPLAST (TEXTURED COATING)  
DECORATIVE COATINGS**

**TECHNICAL DATA SHEET**

**NATIONAL SYNPLAST (TEXTURED COATING)**

<b>PRODUCT DESCRIPTION</b>	National Synplast is a high quality acrylic copolymer based, textured emulsion paint with very good alkali resistance and weather resistance. It is specially formulated by reinforcement of graded hard aggregates and with moderate drying time to provide easily the specific texture and appearance. It can withstand the hostile humid and extreme climate of the Gulf. It is a very tough and durable coating with a long lasting protection to the surface. It contains anti fungal and anti bacterial additives.
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<b>RECOMMENDED USES</b>	National Synplast is recommended as an interior/exterior wall finish to concrete, plaster, gypsum board, asbestos, wood etc. for a specific groove textured and appearances. For uniform texture and appearance the surface has to be properly leveled and primed, prior to apply National Synplast. It is highly suitable for villas, industrial and commercial buildings, museums, exhibition center etc. Over coating with National Acrylic Clear Glaze will reduce the dust collections on the surface.
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**TECHNICAL DATA**

<b>COLOUR, DRY FILM</b>	As per National Shade card
<b>FINISH, DRY FILM</b>	Specific Groove Texture / Matt
<b>VOLUME SOLIDS (ASTM D2697)</b>	71 ± 2%
<b>SPECIFIC GRAVITY</b>	1.8 ± 0.05
<b>THEORETICAL SPREADING</b>	0.70 – 0.55 M <sup>2</sup> /LTR
<b>RECOMMENDED DFT (DRY FILM)</b>	1000 – 1250 Microns / Coat
<b>RECOMMENDED WFT (WET FILM)</b>	1410 – 1760 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>FULL DRY</b>	48 hours



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**ADVANTAGES**

<b>NATIONAL SYNPLAST</b>	Very good weather and UV resistance, very good alkali resistance, specific design textured appearance, long lasting protection, very good adhesion, withstands the hostile Gulf climate.
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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>	Trowel
<b>CLEANING/THINNING</b>	Water
<b>THINNER (VOLUME)</b>	Ready for use ( if required max. 5%)

**SYSTEM**

<b>RECOMMENDED SYSTEM</b> To be applied on prepared surface. The design can be made with a trowel Moving in circular way on wet surface.	National Acrylic Primer (W.B.)	: 1 coat
	National Synplast	: 1 coat
	If required, for extra protection	
	Other National recommended suitable topcoat	: 1 coat

**NATIONAL/INTERNATIONAL TEST CERTIFICATES**

<b>Sr. No.</b>	<b>Test Description</b>	<b>Test Reference</b>	<b>Compliance</b>
1	VOC	ISO 11890 - 2	Local Regulatory Requirements
2	Water Absorption	ASTM C 642 : 97	
3	Rapid Chloride Permeability	ASTM C 1202 : 1997	
4	Crack Bridging Ability	ASTM C 836 : 1995	
5	Practical Washability	ASTM D 4828 : 1991	
6	Surface Spread of Flame	BS 476 Part 7 : 1997	
7	UV Resistance (240 hours)	ASTM G 53	



**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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