



**NATIONAL HYPALON (WATER PROOFING)  
PROTECTIVE COATINGS**

**TECHNICAL DATA SHEET**

## NATIONAL HYPALON (WATER PROOFING)

<b>PRODUCT DESCRIPTION</b>	National Hypalon is a single component solvent based, special rubber based, highly flexible, tough and durable waterproofing and protective coating. It provides a flexible elastomeric seamless membrane with excellent adhesion. It can absorb the possible shocks caused by the contraction and expansion of substrate surfaces and has excellent solar heat reflection property. It has a very low flame spread property. It offers excellent resistance to water, chemicals and U.V. rays.
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<b>RECOMMENDED USES</b>	National Hypalon is recommended as waterproof coating for concrete roofs, basements, kitchens, bathrooms, domes, wooden surfaces, toilets etc. of interior/exterior applications, where extremely strong protection is required against water. For better protection, if required, can be reinforced with National Fibre Glass Mesh, while the intermediate coat is wet. It can hide the hairline cracks on surfaces and reduce the impact of harsh atmospheric conditions. It can also be used as the base coat application for helipad.
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### TECHNICAL DATA

<b>COLOUR, DRY FILM</b>	White, Grey (other limited colours on request)
<b>FINISH, DRY FILM</b>	Smooth / Satin
<b>VOLUME SOLIDS (ASTM D2697)</b>	30 ± 2%
<b>SPECIFIC GRAVITY</b>	1.12 ± 0.05
<b>THEORETICAL SPREADING RANGE</b>	3.0 M <sup>2</sup> /LTR
<b>RECOMMENDED DFT RANGE (DRY FILM THICKNESS)</b>	100 Microns/Coat (Depending on surface)
<b>RECOMMENDED WFT RANGE (WET FILM THICKNESS)</b>	335 Microns/Coat (Depending on surface)
<b>FLASH POINT</b>	25°C
<b>FLEXIBILITY</b>	Very good
<b>CHEMICAL RESISTANCE</b>	Excellent
<b>WATER RESISTANCE</b>	Excellent
<b>U.V. RESISTANCE</b>	Excellent



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**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>	2 – 3 hours
<b>DRY TO RECOAT / OVERCOAT</b>	6 – 8 hours
<b>HARD DRY</b>	24 hours

\*With same generic type paint.

**ADVANTAGES**

<b>NATIONAL HYPALON</b>	Superior water proofing and protection, high elongation and tensile strength, excellent UV and weather resistance, excellent adhesion, very good impact resistance, low flame spread, excellent heat reflection, seals hairline cracks on surfaces, better durability.
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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>	Brush, Roller, Spray etc.
<b>CLEANING/THINNING</b>	National Hypalon Thinner
<b>THINNER (VOLUME)</b>	Depends on method of application
<b>CONV. SPRAY REQUIREMENTS</b>	Atomizing pressure: 50 psi
<b>AIRLESS SPRAY REQUIREMENTS</b>	Pressure : 2200 psi
<b>NOZZLE SIZE</b>	0.018” – 0.020’
<b>MIXING RATIO (BY VOLUME)</b>	Not applicable
<b>POT LIFE @ 30°c (100 ml)</b>	Not applicable

**SYSTEM**

<b>RECOMMENDED SYSTEM</b> To be applied on prepared surface. Recommended to apply in such a way that minimize the accumulation of water on the surface and improves surface drainage.	No. of coats x DFT (micron)	
	National Hypalon (Diluted) as Primer coat	: 1 x 50
	National Hypalon (Intermediate coat)	: 1 x 100
	Reinforce National Fibre Glass Mesh (if required) while the intermediate coat is wet	
	National Hypalon	: 2 – 3 x 100



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**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>	<p>As a general rule, avoid skin and eye contact by wearing overalls, gloves, goggles, and airmask 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 airmask. In the event of ingestion and eye contact, seek medical attention immediately. Painting must be carried out in well-ventilated area.</p> <p>This as industrial 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.</p>
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**STORAGE & HANDLING**

<b>STORAGE</b>	<p>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.</p>
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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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