



NATIONAL AQUA POLYURETHANE TOPCOAT
DECORATIVE COATINGS

TECHNICAL DATA SHEET

NATIONAL AQUA POLYURETHANE TOPCOAT

PRODUCT DESCRIPTION	High-quality coating based on speciality Polyurethane dispersions. It gives smooth matt finish, with excellent adhesion to cementitious surfaces, good alkali resistance, with good washability and UV resistance. It contains anti fungal and anti bacterial additives.
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RECOMMENDED USES	Smooth finish with excellent adhesion on concrete, wall. Suitable on moist surfaces also. It can also be used where limited chemical resistance is required.
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TECHNICAL DATA

COLOUR, DRY FILM	Limited shades
FINISH, DRY FILM	Smooth / Matt
VOLUME SOLIDS (ASTM D2697)	42 ± 2%
SPECIFIC GRAVITY	1.25 ± 0.05
THEORETICAL SPREADING	8.5 – 7 M ² /LTR
RECOMMENDED DFT (DRY FILM)	50 – 60 Microns/Coat
RECOMMENDED WFT (WET FILM)	120 – 145 Microns/Coat
FLASH POINT	Water Base

DRYING TIME

Drying time @ 30°C (Temperature, humidity, air movement, film thickness and number of coats all affect the drying time.)	
TOUCH DRY	10 – 15 minutes
DRY TO RECOAT	2 – 4 hours
FULLY DRY	48 hours

ADVANTAGES

NATIONAL AQUA POLYURETHANE TOPCOAT	Single pack water based topcoat, easy to apply, excellent adhesion to cementitious surface, good mechanical properties, suitable for application on moist areas. Low VOC and limited resistance to several chemicals.
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APPLICATION INSTRUCTION

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.
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APPLICATION DATA

APPLICATION METHOD	Brush, Roller or Spray
CLEANING/THINNING	Water
THINNER (VOLUME)	5 – 10% depending on the method of application
CONV. SPRAY REQUIREMENTS	Possible
AIRLESS SPRAY REQUIREMENTS	Pressure : 2000 – 2500 psi
NOZZLE SIZE	0.018” – 0.021”
MIXING RATIO (BY VOLUME)	One pack
POT LIFE @ 30°C (100 ml)	NA

SYSTEM

RECOMMENDED SYSTEM To be applied on prepared surface.	National Recommended Primer	: 1 coat
	National Recommended Intermediate Coat or Spray	
	Texture	: 1 coat
	National Aqua Polyurethane Topcoat	: 2 coats

ADDITIONAL DATA

SHELF LIFE @ 30°C	6 months, in original sealed container, with proper storage conditions.
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HEALTH & SAFETY

SAFETY PRECAUTIONS	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

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 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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