



**NATIONAL AQUA EPOXY TOPCOAT (WATER BASED EPOXY)
DECORATIVE COATINGS**

TECHNICAL DATA SHEET

**NATIONAL AQUA EPOXY TOPCOAT
(WATER BASED EPOXY)**

PRODUCT DESCRIPTION	National Aqua Epoxy Topcoat is two components, water based epoxy paint, has been specifically developed for various surfaces. It is suitable for application on moist, damp and wet flooring surfaces.
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RECOMMENDED USES	As a topcoat on various surfaces, such as wood, wall, cementitious materials etc. Also suitable for moist, damp and wet areas.
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TECHNICAL DATA

COLOUR, DRY FILM	Limited Shades
FINISH, DRY FILM	Smooth / Matt
VOLUME SOLIDS (ASTM D2697)	45 ± 2%
SPECIFIC GRAVITY	1.30 ± 0.05
THEORETICAL SPREADING	9 – 6 M ² /LTR
RECOMMENDED DFT (DRY FILM)	50 – 75 Microns/Coat
RECOMMENDED WFT (WET FILM)	110 – 170 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	1 hour
DRY TO RECOAT	4 – 6 hours
FULLY CURED	7 days

ADVANTAGES

NATIONAL AQUA EPOXY TOPCOAT	Water based, easy to apply. Suitable for application on moist, damp and wet areas. Excellent adhesion on many surfaces. 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, Spray
CLEANING/THINNING	Water
THINNER (VOLUME)	5%, if required
CONV. SPRAY REQUIREMENTS	Possible
AIRLESS SPRAY REQUIREMENTS	Pressure : 2100 psi
NOZZLE SIZE	0.018" – 0.020"
MIXING RATIO (BY VOLUME)	(Base : Hardener) 4:1 (Mix thoroughly before use)
POT LIFE @ 30°C (100 ml)	2 hours

SYSTEM

RECOMMENDED SYSTEM To be applied on prepared surface.	National Aqua Epoxy Primer	: 1 coat
	National Aqua Epoxy Topcoat	: 2 coats

NATIONAL/INTERNATIONAL TEST CERTIFICATES

Sr. No.	Test Description	Test Reference	Compliance
1	VOC	ISO 11890 – 2 USEPA 24	Local Regulatory Requirements
2	Resistance to Growth of Mold	ASTM D 3273 – 12	
3	Microbiological Resistance	ASTM D 2574	
4	Impact Resistance	ASTM D 2794 – 03 (2010)	
5	Flexibility	ASTM D 522 / D 522 M – 13	
6	Water Resistance (1000 hours)	ASTM D 870 – 15	
7	Service Temperature Limit	ASTM D 2471	
8	Pencil Hardness	ASTM D 3363	
9	Surface Burning Characteristics	ASTM E 84 – 15a	

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 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.
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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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