

PROTECTIVE COATINGS

TECHNICAL DATA SHEET

NATIONALTHANE TOPCOAT

DESCRIPTION	A two-pack, colour retentive high gloss polyurethane topcoat. It has excellent resistance to water, abrasion, corrosion, marine environment and U.V. radiation. It is very long lasting and has good flexibility.
RECOMMENDED USE	- Topcoat for National Tile and National Wall Rock Systems.
	- Suitable for Steel, glass reinforced plastic and wooden surfaces.
	- Topcoat for epoxy or polyurethane system.

TECHNICAL DATA

FINISH	Smooth, Gloss, Semi-Gloss or Matt	
COLOURS	Colours	Clear
VOLUME SOLIDS	56 ± 2%	45 ± 2%
SPECIFIC GRAVITY KG/L	1.30 ± 0.05 (mixed)	0.93 ± 0.02 (mixed)
THEORETICAL SPREADING RATE	14 M ² /LTR.	15 M ² /LTR.
RECOMMENDED (DFT) - MICRONS	40	30
RECOMMENDED (WFT) - MICRONS	70	65
DRYING TIME @ 30°C	Temperature, humidity, air movement, film thickness and number of coats all affect the drying time.	
	Touch dry	: 3 - 5 hours
	Dry to recoat (minimum)	: 12 hours
	Fully cured	: 7 days

APPLICATION DATA

APPLICATION METHOD	Airless Spray	Air (Conv.) Spray	Brush
THINNING (VOLUME)	5 - 10%	10 - 15%	10%
THINNER / CLEANER	National Polyurethane Thinner		
AIRLESS SPRAY REQUIREMENTS	Tip : 2200 PSI / 0.015" - 0.018"		
CONV. SPRAY REQUIREMENTS	Atomizing Pressure: 50 PSI		
MIXING RATIO (VOLUME)	Base : Hardener : 4:1		
POT LIFE @ 30°C	8 hours		
RECOMMENDED SYSTEM Apply on dry, dust free surface.	No. of Coats x DFT (Microns)		
	- National Epoxy Red Oxide Primer (OR)	1 x 50	
	- National Zinc Phosphate Epoxy Primer	1 x 50	
	- National Guard Undercoat H.B.	1 x 100	
	- Nationalthane Topcoat	1 x 40	

MISCELLANEOUS DATA

FLASH POINT (mixed)	25°C
SHELF LIFE @ 30°C	18 months in original sealed containers, with proper storage conditions.

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.