



## Hybrid Coating Technologies

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### PI9W-White

Green Polyurethane™ Indoor Paint/Coating

#### Technical Data Sheet

Revision 4.2.16

PROPERTIES	UNIT	STANDARD	VALUE
<b>General</b>			
Type of the product	Two-component hybrid nonisocyanate polyurethane paint		
Use	Paint for indoor chemical resistant applications.		
Substrate	Concrete, cement cover, gypsum, plaster walls, some types of wood, metals.		
Primer	Conventional primer might be required for some substrates		
<b>Physical Properties</b>			
Ratio of components Base "A" : Hardener B (Uramine 5851)	(100A : 30B) <i>by weight</i> (100A : 45B) <i>by volume</i>		
Viscosity at 77°F (25°C) of mixture of components A & B (3-5 min after mixing) (Brookfield RVDV II, Spindle 29, 20 rpm)	cP (mPa's)	ASTM D2196	≤2000
Density at 77° F (25° C): - Base "A" - Hardener "B" - Mixture "A+B"	lb/gal (kg/l)	ASTM D1475	12.59 (1.51) 8.38 (1.0) 11.28 (1.35)
Pot life at temperature:	°F (°C) min		59 (15)    77 (25) 90            30
Thickness of the layer of coating (coverage)	mils (ft <sup>2</sup> /gal.) μm (m <sup>2</sup> /l)		Up to 4 (400 min.) Up to 100 (10 min.)
VOC	%	ASTM D2369	~ 0
Solids content	%		~ 100
Application temperature	°F (°C)		+ 59-77 (+ 15-25)
Curing time at temperature:	°F (°C)		59 (15)    77 (25)
❖ Dry-To-Touch Time	hours	ASTM D1640	8            4
❖ Full cure	days		10          7
<b>Performance Properties</b>			
Appearance of dried paint			White, gloss
Specular gloss, initial, 60°		ASTM D523	>90
Pencil Hardness • at 24 hours • full cure		ASTM D3363	F 2H
Impact resistance, punch 0.625 in, weight 4 lbs, CS δ = 1 mm	lb. in (N'm)	ASTM D2794	≥ 60 (≥ 6.8)
<b>Chemical and Stain Resistance (24 h @ 77°F / 25°C)</b>			
Weight gain (24 h @ 25°C) at immersion in: • Water • Sulfuric acid – 10% H <sub>2</sub> SO <sub>4</sub>	%	ASTM D570	0.1- 0.5 0.5- 1
Motor oil			No effect
Brake fluid			No effect
Vegetable oil			No effect
Skydrol (aviation hydraulic fluid)			No effect