



# Green Polyurethane™ Indoor/Outdoor Paint/Coating

## Technical Data Sheet: PIO15W – Grey

Rev. September 23, 2011

PROPERTIES	UNIT	STANDARD	VALUE
<b>General</b>			
Type of the product	Two-component hybrid nonisocyanate polyurethane paint		
Use	Paint for indoor/outdoor light stable and chemical and weather resistant applications		
Substrate	Concrete, cement cover, gypsum, plaster walls, metal, some types of wood		
Primer	Conventional primer might be required for some substrates		
<b>Physical Properties</b>			
Ratio of components (Base "A" : Hardener "B")			100 A : 18 B by weight (4 A : 1 B by volume)
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	≤2500
Density at 77° F (25° C): Base "A" Hardener "B" Mixture "A+B"	lb/gal (g/cm <sup>3</sup> )	ASTM D1475	11.7 (1.4) 8.4 (1.0) 11.0 (1.3)
Pot life at temperature:	°F (°C) min		50 (10) 59 (15) 77 (25) 180 120 40
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)		+ 50-77 (+ 10-25)
Curing time at temperature: ❖ Dry-To-Touch Time ❖ Full cure	°F (°C) hours days	ASTM D1640	50 (10) 59 (15) 77 (25) 12 8 4 14 10 7
<b>Performance Properties</b>			
Appearance of dried paint			Grey, 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 at immersion in water	%	ASTM D570	0.1- 0.5
Sulfuric acid – 10% H <sub>2</sub> SO <sub>4</sub>			Limited resistance
Motor oil			No effect
Brake fluid			Gloss reduction
Transmission fluid			No effect
Xylene			Light changing of the color
Vegetable oil			No effect