



## Hybrid Coating Technologies

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# PIO15S-FC-Clear (6524)

Green Polyurethane™ Indoor & Outdoor Varnish

### Technical Data Sheet

Revision April 4, 2016

PROPERTIES	UNIT	STANDARD	VALUE
<b>General</b>			
Type of the product	Two-component hybrid nonisocyanate polyurethane coating (Varnish)		
Use	Coating for indoor and outdoor light stable applications. Top-Coating of Hybrid Non-isocyanate Polyurethane (HNIPU) flooring. Coatings for metal.		
Substrate	Concrete, cement cover, metal.		
<b>Physical Properties</b>			
Ratio of components (Base "A" : Hardener "B" Uramine 4761)	<b>100A : 32B</b> (by weight) <b>100A : 39B</b> (by volume)		
Viscosity Part A Viscosity Part B Viscosity Parts A & B (Brookfield RVDV II, Spindle 29, 20 rpm) at 77°F (25°C)	cPs	<b>ASTM D2393</b>	≤ 2000 400-600 ≤ 1500
Density at 77°F (25°C): Base "A" Hardener "B" (Uramine 4761) Mixture "A" + "B"	lb/gal (kg/l)		9.65 (1.16) 7.87 (0.95) 9.16 (1.10)
Thickness of the layer of coating recommended.	Mils (ft <sup>2</sup> /gal) μm(m <sup>2</sup> /L)		Up to 4 (400 minimum) Up to 100 (10 minimum)
VOC		<b>ASTM D2369</b>	Compliant
Application temperature	F° (°C)		59-77F° (15-25°C)
Curing time at 59-77F° (15-25°C): • Pot Life • Dry to Touch • Full cure	min hours days		60-30 6 - 3 10-7
Appearance			Colorless, gloss
Specular gloss, initial, 60°		<b>ASTM D523</b>	80- 90
Pencil Hardness, 24 hours 7 days		<b>ASTM D3363</b>	H 2H
Impact resistance, punch 0.625 in, weight 4 lbs, CS δ = 1 mm	lb. in	<b>ASTM D2794</b>	≥ 60
<b>Chemical and Stain Resistance</b>			
Weight gain (24 h @ 25°C) at immersion: - in water - in 10 % NaOH	%	<b>ASTM D570</b>	0.1-0.5 0.1-0.5
Gasoline			No effect
Diesel fuel			No effect
Motor oil			No effect
Vegetable oil			No effect
Brake fluid			No effect
Skydrol (aviation hydraulic fluid)			No effect