



Hybrid Coating Technologies

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PI9W-Black Green Polyurethane™ Indoor Coating

Technical Data Sheet

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PROPERTIES	UNIT	STANDARD	VALUE
General			
Type of the product	Two-component hybrid nonisocyanate polyurethane coating		
Use	Coating for indoor light stable applications.		
Substrate	Concrete, cement cover, gypsum, wood, metal.		
Physical Properties			
Ratio of components (Base "A" : Hardener "B" Uramine 4761)	4A : 1B by weight & by volume		
Viscosity Part A Viscosity Part B Viscosity Parts A & B at 77°F (25°C): (Brookfield RVDV II, Spindle 29, 20 rpm) at 77°F (25°C)	cPs	ASTM D2393	1000-1500 400-600 ≤1200
Density at 77°F (25°C): Base "A" Hardener "B" (Uramine 4761) Mixture "A" + "B"	kg/l (lb/gal)		1.16 (9.68) 0.95 (7.87) 1.11 (9.28)
Thickness of the layer of coating recommended.	Mils (ft ² /gal) μm(m ² /L)		Up to 4 (400min.) Up to 100 (10min)
VOC		ASTM D2369	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 12 - 6 10-7
Appearance			Black, gloss
Specular gloss, initial, 60°		ASTM D523	80- 90
Pencil Hardness, 48 hours 7 days		ASTM D3363	F 2H
Impact resistance, punch 0.625 in, weight 4 lbs, CS δ = 1 mm	lb. in	ASTM D2794	Up to 60
Chemical and Stain Resistance			
Weight gain (24 h @ 25°C) at immersion: - in water - in 10% H ₂ SO ₄ - in 10 % NaOH	%	ASTM D570	0.1-0.5 0.5-1 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