



ECPU 4761 S

TECHNICAL DATA SHEET

PROPERTIES	UNIT	STANDARD	VALUE
General			
Type of the product	Two-component hybrid nonisocyanate polyurethane coating (Varnish)		
Use	Coating for indoor and outdoor light stable applications.		
Substrate	Concrete, cement cover, gypsum, wood, metal.		
Physical Properties			
Ratio of components (Base "A" : Hardener "B" Uramine 4761)	100A : 25B by weight & 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	ASTM D2393	≤ 1500 400-600 ≤ 1200
Density at 77°F (25°C): Base "A" Hardener "B" (Uramine 4761) Mixture "A" + "B"	g/cm ³ (lb/gal)		1.0-1.1 (8.4 – 9.3) 1.0-1.05 (8.4 – 8.9) 1.0 -1.05 (8.4 - 8.9)
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			Colorless, gloss
Specular gloss, initial, 60°		ASTM D523	80- 90
Pencil Hardness, 24 hours 7 days		ASTM D3363	H 2H
Impact resistance, punch 0.625 in, weight 4 lbs, CS δ = 1 mm	lb. in	ASTM D2794	≥ 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