



ECPU 4761 W
Flooring , Indoor/outdoor application

TECHNICAL DATA SHEET

PROPERTIES	UNIT	STANDARD	VALUE
General			
Type of the product	Two-component hybrid nonisocyanate polyurethane compound		
Use	Compound for indoor/outdoor abrasive, impact and chemical resistant flooring, ultra light stable.		
Substrate	Concrete, cement cover.		
Primer	Conventional primer might be required for some substrates		
Physical Properties			
Ratio of components (Base "A" : Hardener "B" Uramine 4761)			~3.2A :1B
Viscosity Part A Viscosity Part B Viscosity after mixing Part A&B (Brookfield RVDV II, Spindle 29, 100 rpm) at 77°F (25°C)	cP (mPa's)		1400-1600 400-600 900 -1200
Color			As requested
Pot life at temperature:	°F (°C) min		59 (15) 77 (25) 80 40
Thickness of the coating	mm		0.5-1
Solids content	%		~100
Application temperature	°F (°C)		+ 50-77 (+ 10-25)
Curing time at temperature: ❖ Dry-To-Touch Time ❖ Walk on ❖ Full cure	°F (°C) hours hours days	ASTM D1640	59 (15) 77 (25) 8 4 30 24 10 7
Performance Properties			
Tensile strength	Psi (MPa)	ASTM D638	7.100-10.000 (49-69)
Ultimate Elongation	%	ASTM D638	3-6
Hardness (Shore D)		ASTM D2240	75-80
Abrasion resistance (TABER, wheel CS-17, 1000g) loss of mass	mg/1000 cycles	ASTM D4060	25-30
Chemical and Stain Resistance			
Weight gain at immersion in water (24 h @ 25°C)	%	ASTM D570	0.5-1
Sulfuric acid – 10% H ₂ SO ₄			Limited resistance

Vegetable oil			No effect
Motor oil			No effect
Brake fluid			Gloss reduction
Skydrol (aviation hydraulic fluid)			No effect