



## Hybrid Coating Technologies

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### FLIO6W-Clear Green Polyurethane™ Indoor / Outdoor Floor Coating

#### Technical Data Sheet

Revision 4.2.16

PROPERTIES	UNIT	STANDARD	VALUE
<b>General</b>			
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		
<b>Physical Properties</b>			
Ratio of components (Base "A" : Hardener "B" Uramine 4761)			100:30 <i>by weight</i> 100:35 <i>by volume</i>
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
Density at 77° F (25° C): - Base "A" - Hardener "B" - Mixture "A+B"	lb/gal (kg/l)	ASTM D1475	9.46 (1.13) 7.87 (.95) 9.12 (1.09)
Color			Colorless
Pot life at temperature:	°F (°C) min		59 (15)    77 (25) 80            40
Thickness of the coating	mils (ft <sup>2</sup> /gal.) mm (m <sup>2</sup> /l)		10-120 (160-13) 0.25-3 (4.15-.3)
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
<b>Performance Properties</b>			
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
<b>Chemical and Stain Resistance</b>			
Weight gain at immersion in water (24 h @ 25°C)	%	ASTM D570	0.5-1
Sulfuric acid – 10% H <sub>2</sub> SO <sub>4</sub>			Limited resistance
Vegetable oil			No effect
Motor oil			No effect
Brake fluid			Gloss reduction
Skydrol (aviation hydraulic fluid)			No effect