



## Hybrid Coating Technologies

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### FLIO6S-FC Grey

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-S)			100:33 by weight 100:35 by volume
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)		1000-1500 < 400 1000-1300
Density at 77° F (25° C): - Part A - Part B - Mixture "A+B"	lb/gal (g/cm <sup>3</sup> )	ASTM D1475	~ 10.5 (1.18) ~ 8.5(1.05) ~ 9.5 (1.15)
Color			Grey
Pot life at temperature:	°F (°C) min		59 (15)    77 (25) 60            30
Thickness of the coating	mm		0.5-3
Solids content	%		~100
Application temperature	°F (°C)		+ 59-77 (+ 15-25)
Curing time at temperature: Dry-To-Touch Time Walk on Full cure	°F (°C) hours hours days	ASTM D1640	59 (15)    77 (25) 4            3 24          18 6            3
<b>Performance Properties</b>			
Tensile strength	Psi (MPa)	ASTM D638	4.300-7.200 (30-50)
Ultimate Elongation	%	ASTM D638	5-10
Hardness (Shore D)		ASTM D2240	75-80
Abrasion resistance ( TABER, wheel CS-17, 1000g) loss of mass	mg/100 0 cycles	ASTM D4060	20-30
<b>Chemical and Stain Resistance</b>			
Weight gain at immersion in water (24 h @ 25°C)	%	ASTM D570	0.1- 0.5
Sulfuric acid – 10% H <sub>2</sub> SO <sub>4</sub>			Limited resistance

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