



Hybrid Coating Technologies

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FLIO6S-FC-Clear

Green Polyurethane™ Indoor/Outdoor, Special Ultra light stable Top-coating

Technical Data Sheet

Revision 4.2.16

PROPERTIES	UNIT	STANDARD	VALUE
General			
Type of the product	Two-component hybrid nonisocyanate polyurethane compound		
Use	Ultra light stable Top-coating for indoor/outdoor application of abrasive, impact and chemical resistant flooring.		
Substrate	Epoxy-, Hybrid-, Polyurethane coating, etc.		
Physical Properties			
Ratio of components (Base "A" : Hardener "B" Uramine-S)			100:39 by weight 100:42 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)		800 - 1000 400 - 800 700 - 900
Density at 77° F (25° C): - Part A - Part B - Mixture "A+B"	lb/gal (kg/l)	ASTM D1475	9.38(1.12) 9.16 (1.10) 8.65 (1.04)
Color			Colorless
Pot life at temperature:	°F (°C) min		59 (15) 77 (25) 60 30
Thickness of the coating	mm		0.5-1
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) 5 3 24 18 6 3
Performance Properties			
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
Chemical and Stain Resistance			
Weight gain at immersion in water (24 h @ 25°C)	%	ASTM D570	0.1-0.5

Sulfuric acid – 10% H ₂ SO ₄			Limited resistance
Vegetable oil			No effect
Motor oil			No effect
Brake fluid			No effect
Skydrol (aviation hydraulic fluid)			No effect