



Hybrid Coating Technologies

950 John Daly Blvd., Suite 260 Daly City, CA 94015
 p. +1. (650)491-3449; f. +1. (650)755-3362; Email: info@hybridcoatingtech.com

FLI4W – FC Grey V.2 Green Polyurethane™ Indoor Floor Coating

Technical Data Sheet FLI4W-FC Grey V.2

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PROPERTIES	UNIT	STANDARD	VALUE
General			
Type of the product	Two-component hybrid nonisocyanate polyurethane compound		
Use	Compound for indoor abrasive, impact and chemical resistant floorings		
Substrate	Concrete, cement cover.		
Primer	Conventional primer might be required for some substrates		
Physical Properties			
Ratio of components (Base "A" : Hardener "B")	100 A : 37 B by weight		
Viscosity (25°C) Part A Part B	cP (mPas)	ASTM D2196	1800 - 2300 150 - 230
Density at 77°F (25°C) Part A Part B	g/cm ³ / lb/gal		9.82±0.44 (1.177±0.053) 8.17±0.30 / 0.98±0.03
Color			Grey
Pot life at temperature :	°F (°C) min		59 (15) 77 (25) 30 10
Thickness of the coating	mils (mm)		20-120 (0.5-3)
VOC	%	ASTM D2369	~ 0
Solids Content	%		~ 100
Application temperature	°F (°C)		+ 50-77 (+ 10-25)
Curing time at temperature: • Dry-To-Touch Time • Light Traffic • Full cure	°F (°C) hours hours days	ASTM D1640	59 (15) 77 (25) 5 2 24 12 7 3
Performance Properties			
Tensile strength at break	psi (MPa)	ASTM D638	5700-7100 (40-49)
Elongation at break	%	ASTM D638	3-7
Hardness (Shore D)		ASTM D2240	75-85
Bound strength to concrete substrate		ASTM D4541 ACI 503.4-2322	Cohesive failure
Abrasion resistance (TABER, Wheel CS-17 1000g), loss of mass	mg/1000 cycles	ASTM D4060	30-40
Chemical and Stain Resistance			
Weight gain at immersion in water (24 h @ 77°F / 25°C)	%	ASTM D570	0.1- 0.5
Sulfur Acid - 10% H ₂ SO ₄	%		0.5-1
Sodium hydroxide – 10% NaOH			No effect
Gasoline			No effect
Motor oil			No effect
Brake fluid			No effect
Vegetable oil			No effect

Disclaimer

The data contained in this document are based on our current knowledge and experience, and is believed by the Company to be accurate at the time of preparation or prepared from sources believed to be reliable. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose