

FLI3 – Clear *Hybrid Epoxy-Acrylate Flooring*

Technical Data Sheet:

Properties	Unit	Standard	VALUE
General			
Type of product	Two-component Hybrid Epoxy Acrylate compound		
Use	Compound for impact, abrasion and chemical resistant flooring		
Substrate	Concrete, cement cover, asphalt, wood		
Primer	Need depends on substrate condition		
Physical properties			
Ratio of components by weight (base "A": hardener "B")	100A : 57B by weight 100A : 60B by volume		
Viscosity after mixing (Brookfield RVDV II, Spindle 29, velocity 100 rpm)	cPs		1200 - 2000 at 25°C (77°F)
Color			Colorless to yellowing
Pot life at 2°C -10°C (35.6-50°F)	min		10-30
Thickness of the coating	mm		0.5-1
Solids content	%		~100
Application temperature	°C (F°)		2 -10°C (35.6-50°F)
Curing time at 2°C -10°C (35.6-50°F): Touch dry	hours		2-4
Full cure	days		≥7
Performance Properties			
Tensile strength 18hrs @ 70°C (158°F)	kg/mm ²	ASTM D 638M	5-6 kg/mm ²
Ultimate Elongation	%	ASTM D 638M	4-5%
Hardness Shore D		ASTM D 2240	75-80
Abrasion resistance (TABER, wheel C-17, 1000g), loss of mass	mg / 1000 cycles	ASTM D 4080	25-30
Chemical and Stain Resistance			
Weight gain at immersion (24 h @ 77°F/25°C) <ul style="list-style-type: none"> • in water • in 10% H₂SO₄ • in 10 % NaOH 	%	ASTM D570	0.1- 0.5 0.5-1 0.1- 0.5
Gasoline			No effect
Diesel fuel			No effect
Motor oil			No effect
Brake fluid			No effect
Vegetable oil			No effect