



## ECPU 5851 LP Flooring, Indoor application

### TECHNICAL DATA SHEET

PROPERTIES	UNIT	STANDARD	VALUE
<b>General</b>			
Type of the product	Two-component hybrid nonisocyanate polyurethane flooring paint.		
Use	Chemical and weather resistant Flooring Paint for indoor applications.		
Substrate	Concrete, cement cover.		
Primer	Conventional primer might be required for some substrates		
<b>Physical Properties</b>			
Ratio of components Base "A" : Hardener B	(5A:1B) <i>by weight</i> (3A:1B) <i>by volume</i>		
Viscosity at 77°F (25°C) of mixture of components A & B (Brookfield RVDV II, Spindle 4, 20 rpm) :			
- 3-5 min after mixing - 1 hr after mixing - 2 hrs after mixing - 3 hrs after mixing - 4 hrs after mixing	cP (mPa's)	ASTM D2196	700-800 900-1000 1400-1500 2000-2500 3000-3500
Density at 77° F (25° C): - Base "A" - Hardener "B" - Mixture "A+B"	lb/gal (g/cm <sup>3</sup> )	ASTM D1475	~ 11.0 (1.3) ~ 8.4 (1.0) ~ 10.2 (1.2)
Recommended Solvent	No		
Pot life at temperature:	°F (°C) min		59 (15)    77 (25) 360        240
Thickness of the layer of coating (coverage)	mils (ft <sup>2</sup> /gal.) µm (m <sup>2</sup> /l)		Up to 4 (400 minimum.) Up to 100 (10 minimum.)
VOC	%	ASTM D2369	~ 0
Solids content	%		
Application temperature	°F (°C)		
Curing time at temperature:	°F (°C)		59 (15)    77 (25)
❖ Dry-To-Touch Time	hours	ASTM D1640	24        12
❖ Full cure	days		20        10
<b>Performance Properties</b>			
Appearance of dried paint			Gloss
Specular gloss, initial, 60°	ASTM D523		>90
Hardness Shore D • overnight • full cure	ASTM D3363		17-20 75-80
Impact resistance, punch 0.625 in, weight 4 lbs, CS δ = 1 mm	lb. in (N'm)	ASTM D2794	≥ 60 (≥ 6.8)
<b>Chemical and Stain Resistance (24 h @ 77°F / 25°C)</b>			
Weight gain (24 h @ 25°C) at immersion in: • Water • Sulfuric acid – 10% H <sub>2</sub> SO <sub>4</sub>	%	ASTM D570	0.1- 0.5 1.0- 5.0
Motor oil			Pass
Brake fluid			Pass
Transmission Fluid			Pass
Gasoline			Pass