

ECPU 5851 W-CP

Indoor application

TECHNICAL DATA SHEET

PROPERTIES	UNIT	STANDARD	VALUE
General			
Type of the product	Two-component hybrid nonisocyanate polyurethane paint		
Use	Paint for indoor light stable, chemical and corrosion resistant applications.		
Substrate	Metal		
Primer	Without primer		
Physical Properties			
Ratio of components Base "A" : Hardener B (Uramine 5851)	(100 A : 30B) <i>by weight</i> (100 A : 40B) <i>by volume</i>		
Viscosity at 77°F (25°C) of mixture of components A & B (3-5 min after mixing) (Brookfield RVDV II, Spindle 29, 20 rpm)	cP (mPa's)	ASTM D2196	≤2000
Density at 77° F (25° C): - Base "A" - Hardener "B" - Mixture "A+B"	lb/gal (g/cm ³)	ASTM D1475	11.7 (1.4) 8.4 (1.0) 11.0 (1.3)
Pot life at temperature:	°F (°C) min		59 (15) 77 (25) 90 30
Thickness of the layer of coating (coverage)	mils (ft ² /gal.) µm (m ² /l)		Up to 4 (400 min.) Up to 100 (10 min.)
VOC	%	ASTM D2369	~ 0
Solids content	%		~ 100
Application temperature	°F (°C)		+ 59-77 (+ 15-25)
Curing time at temperature: ❖ Dry-To-Touch Time ❖ Full cure	°F (°C) hours days	ASTM D1640	59 (15) 77 (25) 8 4 10 7
Performance Properties			
Appearance of dried paint			White, gloss
Specular gloss, initial, 60°		ASTM D523	>90
Pencil Hardness • at 24 hours • full cure		ASTM D3363	F 2H
Impact resistance, punch 0.625 in, weight 4 lbs, CS δ = 1 mm	lb. in (N'm)	ASTM D2794	≥ 60 (≥ 6.8)
Chemical and Stain Resistance (24 h @ 77°F / 25°C)			

Weight gain (24 h @ 25°C) at immersion in:			
<ul style="list-style-type: none"> • Water • Sulfuric acid – 10% H₂SO₄ 	%	ASTM D570	0.1- 0.5 0.5- 1
Motor oil			No effect
Brake fluid			No effect
Vegetable oil			No effect
Skydrol (aviation hydraulic fluid)			No effect