

CONFORMAL COATINGS

Typical Properties	SCC3 DCA/DCB/DCR Silicone Conformal Coating (SCC3)	HPA High Performance Acrylic	APL Acrylic Protective Lacquer	FSC Flexible Silicone Coating	CPL Clear Protective Lacquer	TFCF Fluorocoat	PUC Polyurethane Coating	WBP Aquacoat Plus	WBPS Aquacoat Plus Sprayable	NVOC
Viscosity (Bulk) (cPs@20°C, Brookfield) BS 3900 Part A7	200	300	300	550	25	2	240	200	80	100
Flashpoint (°C) (Bulk) BS 3900 Part A6	27	<0	<0	27	12	7	38	None	None	None
Solids (%) (Bulk) BS 3900 Part B18	37	35	35	50	37	2	50	35	35	100
Dielectric Strength (kV/mm, MIL 202 (301))	90	45	45	80	45	90	60	50	50	60
Insulation Resistance (ΩDEF STAN 59/47 Pt4)	10 ¹⁵	10 ¹⁵	10 ¹⁵	10 ²⁰	10 ¹²	10 ¹⁵	10 ¹²	10 ¹¹	10 ¹¹	10 ¹²
Temp. Range (°C)	-70 to +200	-55 to +130	-55 to +125	-50 to +125	-50 to +100	-50 to +125	-55 to +130	-60 to +170	-60 to +170	-60 to +125
Touch Dry Time (20°C)	50-55	10-15	10-15	10-15	15-20	5	40-45	25-35	25-35	70
Cure Time (Hours @ 20°C)	2@20°C & 2@90°C	24	24	24	24	24	24	24	24	24
Solvent Resistance	Excellent	Good	Good	Good	Poor	Good	Excellent	Excellent	Excellent	Excellent
Humidity Resistance	Excellent	Excellent	Excellent	Excellent	Good	Excellent	Excellent	Good	Good	Excellent
Mould Resistance	Excellent	Excellent	Excellent	Excellent	Good	Good	Excellent	Excellent	Excellent	Excellent
Thinners	DCT	UAT	UAT	DCT	DCT	N/A	PTH	DI Water	DI Water	N/A
UV Trace	Yes (DCA)	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
Colours Available	Clear / Black / Red	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear
Approvals	UL746CQMJU2	MIL-I-46058C	Meets MIL-I-46058C	-	-	-	Meets UL94HB	-	-	Meets UL94 V-0