

### C3<sup>®</sup> PLUS

### COMMERCIAL ROOFING

#### C3<sup>®</sup> Plus 80 | 80 mils

Base Fabric	Standard	Metric
Base Fabric Weight	3.01 oz / yd <sup>2</sup>	102 g / m <sup>2</sup>
Fiber/Style	Polyester - Aramid / Knit	

Coated Fabric	Standard	Metric
Thickness, overall	80 (+/- 8) mils	2.03 (+/- 0.20) mm
Thickness, over scrim (min)	28 mils	0.71 mm
Coating Type	PVC / KEE	

Material Properties	ASTM Test Methods	Standard	Metric
Tensile Strength, Grab (Warp / Fill)	D751A	270 / 240 lbs	1,200 / 1,070 N
Tensile Elongation (Warp / Fill)	D751A	15% / 15%	
Tear Strength, Tongue (Warp / Fill)	D5884	45 / 45 lbs	200 / 200 N
Properties After Oven Aging (retained)			
Tensile Strength, Grab	D573	90%	
Tensile Elongation	D573	90%	
Puncture Strength (FTMS 101C)	Method 2031	300 lbs	1,330 N
Abrasion Resistance (H18 / 1 kg)	D3884	2,000 cycles	
Ply Adhesion (at Aramid edge)	D751	25 lbs / 2 in	111 N / 5 cm
Ozone Resistance (no cracks)	D1149	Pass	
Water Absorption	D471	< 3 %	
Dimensional Stability (1 hr / 100°C)	D1204	< 1 %	
Solar Reflectance (white)	C1549	0.86	
Solar Emittance (white)	E408	0.86	
Solar Reflective Index (h <sub>c</sub> = 30)	E1980	108	
Properties After 2 yr Weathering (retained)			
Tensile Strength, Grab	G90 / cycle 1	90%	
Tensile Elongation	G90 / cycle 1	90%	
Low Temp	D2136	-40°F	-40°C

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