

CSP-TPO® FLEECE-BACK (FB)

COMMERCIAL ROOFING

CSP-TPO® FB 45 | 45 mils

Base Fabric	Standard	Metric
Base Fabric Weight	3.76 oz / yd ²	128 g / m ²
Fiber/Style	Polyester / Knit	
Fabric Backing	3.8 oz Polyester Fleece	

Coated Fabric	Standard	Metric
Thickness, overall	45 (+/- 4) mils	1.52 (+/- 0.01) mm
Thickness, over scrim (min)	12 mils	0.30 mm
Coating Type	TPO	

Material Properties	ASTM Test Methods	Standard	Metric
Tensile Strength, Grab (Warp / Fill)	D751A	325 / 275 lbs	1,450 / 1,220 N
Tear Strength, 6.5" x 7" specimen (Warp / Fill)	D751B (mod)	65 / 65 lbs	289 / 289 N
Puncture Strength (FTMS 101C)	Method 2031	375 lbs	1,670 N
Hydrostatic Resistance	D751A	500 psi	3.45 MPa
Seam Adhesion (thermal)	D751	35 lbs / in	61 N / cm
Abrasion Resistance (H18 / 1 kg)	D3884	2,000 cycles	
Ozone Resistance	D1149	Pass	
Water Absorption	D471	< 1 %	
Dimensional Stability (1 hr / 100°C)	D1204	< 1 %	
Solar Reflectance	C1549	0.79	
Solar Emittance	E408	0.87	
Solar Reflective Index (h _c = 30)	E1980	138	
Low Temp	D2136	-40°F	-40°C
High Temp, Cont/Interm.	D1204	180 / 200°F	82 / 93°C

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