

Wallshell vs Top Brand Fiber Cement Panel Property Comparison

Property	Top Brand Fiber Cement Panel	Wallshell Fiber Cement Panel
ICC ESR Report	ESR 1248	ESR 4333
Warranty	10 years	30 years on panel, 15 years on finish
Wind Load Performance		
Positive Load	63 psf	63 psf
Negative Load	61 psf	61 psf
Non-Combustible	ASTM E136	ASTM E136
Fire Resistance Ratings	ASTM E84	ASTM E84
Fire Propagation Properties	NFPA 285	In Progress
Fiber Cement Panels	ASTM C1186, TYPE A GRADE IV	ASTM C1186, TYPE A GRADE IV
Density	min 1.75 g/cm3	min 1.67 g/cm3
Thickness	8mm & 12 mm	8 mm & 12 mm
8mm Panel Weight	15 kg/m2	13 kg/m2
Tolerances on Dimensions		
Panel thickness	±0.5	±0.5
Panel length and width	±1.0	±1.0
Straightness of edges	±1.0	±1.0
Squareness of edges	±0.5	±0.8
Flexural Strength		
Equilibrium	3,190 psi	3,509 psi
Wet	2,610 psi	2,436 psi
Moisture Movement	0.08%	0.07%
Water Absorption	9.20%	14.90%
Moisture Content	5.10%	6.60%
Water Tightness	ASTM C1185 Pass	ASTM C1185 Pass
Freeze/Thaw	50 Cycle Pass	50 Cycle Pass
Warm Water Resistance	ASTM C1185 Pass	ASTM C1185 Pass
Heat Rain Resistance	ASTM C1185 Pass	ASTM C1185 Pass
Other Characteristic	Integrally Colored	Not Integrally Colored