

Property	Hardie 8mm	Test	Magnum 8mm	Test
Acceptance criteria	ICC-ES	AC90	ICC-ES	AC386
Combustibility	non combustible	ASTM E 136	non combustible	E 136
Surface Burning	flame spread 0, Smoke dev <5	ASTM E 84	flame spread 0, smoke dev 0	E 84-05
Dimensional Tolerance	pass	ASTM 1186	pass	ASTM 1186
Water absorption	36%	ASTM 1186	23% for 12 mm	ASTM 1186
Density	1.3 gr / cc	ASTM 1186	1 gr / cc	ASTM 1186
Moisture movement	0.05%	ASTM 1186	0.02%	ASTM 1186
Flexural Strength, saturated	>7mpa	ASTM 1186	14mpa	ASTM C1185
Freeze Thaw	pass	ASTM 1186	pass	C 1185
Accelerated Weathering	pass	ASTM 1186	pass	ASTM G155
MSDS	Carcinogenic		non toxic, no carcinogens	U-Pitt protocol
Nailing	no countersink		shallow countersink ok	
Structural performance			pass	E330