

Physical Properties

WEATHERTEX WEATHERBOARDS AND ARCHITECTURAL PANELS.

WeatherTex weatherboards and architectural panels have been comprehensively tested to Australian and International Standards for verification of compliance to the Building Code of Australia.

MATERIAL DURABILITY PROPERTIES

The Product Specification Standard for WeatherTex is AS/NZS1859.4 - Wet Processed Fibreboard for Exterior Conditions (HB,E).

PROPERTY	STANDARD	RESULT	REQUIREMENT
Dimensions	AS NZS 4266.1	PASS	±2mm/m
Density	AS NZS 4266.1	1000 kg/m ³	> 750 kg/m ³
Bending Strength	AS NZS 4266.1	32 MPa	> 20 MPa
Modulus of Elasticity	AS NZS 4266.1	4500 MPa	> 2900 MPa
Equilibrium Moisture Content	AS NZS 4266.1	7.5%	7.5% ± 1% @ Factory gate
Dimensional Stability - Hygro-Expansivity	AS/NZS 4266.1	0.16% change in face dimensions over the range of 35%-80% relative humidity	N/A
Moisture Resistance	AS NZS 4266.1 - 24 Hour submersion	< 2% Swell	8% Max.
		< 6% Absorption	12.5% Max.

THERMAL AND ACOUSTIC PROPERTIES

PROPERTY	9.5MM COMPONENT VALUE	WEATHERTEX SYSTEM
Thermal Conductivity	0.22 W/mK	Where thermal and acoustically rated walls are required: WeatherTex can be used as part of wall systems to meet your specific performance requirements.
Thermal Resistance	0.04 m ² K/W	
Acoustic Properties (Rw)	System Dependant	

FIRE PROPERTIES

PROPERTY	STANDARD	RESULT	REQUIREMENT
Bushfire Attack Level (BAL)	AS 3959	Up to and including BAL 19	BCA: Vol. 1 - G5.2 BCA: Vol. 2 - 3.10.5
Average Specific Extinction Area	AS/NZS 5637.1	38.7 m ² /kg	BCA: Vol. 1 - C1.10
Material Group Number	AS/NZS 5637.1	Group 3	BCA: Vol. 1 - C1.10 BCA: Vol. 1 - Spec C1.10 - 4
Early Fire Hazard Indices	AS 1530.3	Ignitability : 12 Spread of Flame: 5 Heat Evolved : 4 Smoke Developed: 2	BCA: Vol. 1 - C1.10
Fire Resistance Level (FRL)	AS1530.4	Systems up to 120/120/120 available	BCA: Vol. 1 - Spec C1.1
Combustibility	BCA: Vol 1 - C1.1	Type C Compliant*	BCA: Vol 1 - C1.1

* A class 2,3 or 9c building with a rise in storeys of 2 may be of type C construction if requirements of C1.5 are satisfied.

MISCELLANEOUS PROPERTIES

Formaldehyde Classification	AS/NZS 4266.16 Test Method: <0.07 mg/L JIS A 1460 Class Fxxxx/SEO
WeatherTex contains no silica, resins, binders or added formaldehydes and the results above confirm the amount naturally present in hardwood timber is negligible and well below the acceptance level of 1.0mg/L (E1).	