

Weathertex weatherboards and architectural panels.

Weathertex Weatherboards and Architectural Panels have been comprehensively tested to New Zealand and International Standards for verification of compliance to the New Zealand Building Code of New Zealand.

Material Durability Properties

The Product Specification Standard for Weathertex is AS/NZS1859.4 – Wet Processed Fibreboard for Exterior Conditions (HB.E). Test methods are detailed in AS/NZS 4266

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
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	
Thermal Conductivity	0.195 W/mK	Where thermal and acoustically rated walls are required; Weathertex can be used with systems detailed in the Weathertex Install Guide to meet your specific performance requirements.
Thermal Resistance	0.05m ² K/W per 9.5mm	
Acoustic Properties (Rw)	System Dependant	

Control of External Fire Spread

- Suitable with SH Risk Group classification
- Suitable with building height of ≤ 10m and ≥ 1m to relevant boundary.
- Refer to NZBC Acceptable Solutions C/AS2 – C/AS6 Paragraph 5.8.1 for the specific exterior surface finishes requirements for other building risk groups.

Prevention of Fire Occurring

- Separation or protection must be provided to the Weathertex Sheet and Architectural Panel Cavity system from heat sources such as fire places, heating appliances, flues and chimneys
- Part 7 of NZBC Acceptable solutions C/AS1-C/AS6 and NZBC Verification method C/VM1 provide methods for separation and protection of combustible materials from heat sources.

Fire properties

Property	Standard	Result
Average Specific Extinction Area	AS/NZS 3837	38.7 m ² /kg
Material Group Number	AS/NZS 5637.1	Group 3
Fire Resistance Level (FRL)	AS1530.4	60/60/60 & 90/90/90 Systems Available

Miscellaneous properties

Termite Resistance	Based on “graveyard” testing completed by CSIRO, Weathertex products have demonstrated resistance to termites	
Formaldehyde Classification	AS/NZS 4266.16 Test Method: < 0.07 mg/L	JIS A 1460 Class: F ^{xxxx} /SE0
	Weathertex contains no 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).	