

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 1859.4 – Wet Processed Fibreboard for Exterior Conditions (HB.E)

| Property | Standard | Result | Requirement |
|------------------------------|------------------------------------|------------------------|-------------------------|
| Dimensions | AS NZS 4266.2 | PASS | ±2mm/m |
| Density | AS NZS 4266.4 | 1000 kg/m ³ | > 750 kg/m ³ |
| Bending Strength | AS NZS 4266.5 | 32 MPa | > 20 MPa |
| Modulus of Elasticity | AS NZS 4266.5 | 4500 MPa | > 2900 MPa |
| Equilibrium Moisture Content | AS NZS 4266.3 | 7.5% | 7.5% ±1% @ factory gate |
| Moisture Resistance | AS NZS 2457.5 – 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 | 0.195 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 | |

Fire properties

| Property | Standard | Result | Requirement |
|----------------------------------|---------------------------------|--|---|
| Bushfire Attack Level (BAL) | AS 3959 | Up to and including BAL 19 | BCA: Vol. 2 – 3.7.4 |
| Average Specific Extinction Area | AS/NZS 5637.1 | 38.7 m ² /kg | BCA: Vol. 1 – C1.10 |
| Material Group Number | AS/NZS 3837 | 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 | Vol. 1 – Spec C1.1: Clause 3.10 | Type A Compliant for Class 2 or 3 up to 4 storey construction* | BCA: Vol. 1 – C1.1 |

*WeatherTex is compliant as per Spec C1.1 for Class 2 or 3, Type A up to 3 or 4 storey construction where the conditions of Clause 3.10 (a) or (b) are satisfied respectively

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 ^{xxx} /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). | | |