

Product Technical Statement

Product Description: Axon™ Panel is a 9mm thick vertical grooved ship-lapped edge panel manufactured using low density fibre cement formulation.

Scope of Use: Axon Panel installed using CLD™ Structural Cavity Battens or timber cavity battens is suitable for use as external wall cladding in residential buildings within the scope of E2/AS1, or in residential/commercial buildings exposed to design wind pressure up to 2.5kPa (ULS) maximum covered by a specific engineering design (SED).

Axon Panel can also be installed direct to the framing (without cavity) for residential buildings within or up to the risk score 6 calculated as per Table-2 of E2/AS1. Axon Panel can also be used for external wall bracing applications in residential buildings as per NZS 3604.

Limitations: Axon Panel must not be installed horizontally or in curved wall applications or in situations where it stays in contact with ground moisture.

Compliance with NZBC: The following clauses of the NZBC are applicable to Axon Panel and it complies with these requirements as explained below;

Structure - B1: Uniform Distributed Load tests have been completed at a NATA accredited James Hardie laboratory.

Axon Panel installed as per its technical specifications is suitable for use up to design wind pressures of 2.5kPa and meets the requirements of Clause-B1.3.1, B1.3.2 and B1.3.3 of NZBC.

Axon™ Panels have been tested as per BRANZ P21 test method and are suitable for structural bracing.

Durability - B2: Axon Panel and CLD Structural Cavity Battens have been tested at a NATA accredited laboratory in accordance with AS/NZS 2908.2 and meets the durability performance requirements as per Clause B2.3.1(a) and B2.3.2 of NZBC.

Fire Performance - C: Axon Panel has been assessed and is classified as 'non-combustible' material and is suitable for use on external walls close to boundaries.

External Moisture - E2: Axon Panel has been tested as per the details published for weathertightness as per E2/VM1 (as contained within NZBC Clause E2).

Hazardous Building Materials - F2: Axon Panel complies with the requirements of F2.3.1 and will not present a health hazard when handled as per its technical specifications.

Energy Efficiency - H1: Axon Panel walls constructed using bulk insulation meets the construction R-Value requirements as per Table 1 of Clause H1.

Installation: Axon Panel must be installed in accordance with the current Axon Panel Technical Specification. The specification and details are available at James Hardie web site www.jameshardie.co.nz or Ask James Hardie™ at 0800 808 868 for further information.

Warranty: Axon Panel has a product warranty of 15 years when installed and maintained as per the current technical specification.

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