

Axon™ Panel

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 Hardie™ 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 used in following situations

- Installed horizontally
- In curved wall applications
- 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: Uniformly Distributed Load testing has been completed and the suitability of Axon™ Panel and its fixings have been verified to meet wind pressure requirement up to design wind pressure of 2.5kPa and complies with the requirements of Clause B1.3.1, B1.3.2 and B1.3.4.

Axon™ Panel has been tested as per BRANZ P21 test method and is suitable for structural bracing.

Durability - B2: Axon™ Panel and Hardie™ 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.

Fire Performance - C: Axon™ Panel has been tested and is suitable for use where 'non-combustible' cladding materials are required to be used on external fire rated walls close to boundaries. It meets the requirements of Clause C3.5 and C3.7.

External Moisture - E2: Axon™ Panel has been tested as per the installation details published for weathertightness as per E2/VM1 and meets the requirements of Clause E2.3.2.

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

Energy Efficiency - H1: Axon™ Panel wall in external application using bulk insulation meets the construction R-Value requirements of Clause H1.

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

Axon™ Panel has a BRANZ appraisal. Refer to BRANZ appraisal No. 1211 at www.branz.co.nz

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

Axon™ Panel is not subject to a warning or ban under section 26 of the Building Act. Axon™ Panel is manufactured in Australia.