

Product Technical Statement

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

Scope of Use: Axon™ Panel is suitable for use as external wall cladding on residential buildings within the scope of E2/AS1 or light weight residential/commercial buildings with design wind pressure up to 2.5kPa (uls) covered by a specific engineering design (SED). It can be installed direct fixed to the framing for residential buildings within or up to the risk score 6 calculated as per E2/AS1. Or, it can be fixed over a CLD™ Structural Cavity Batten that is nominal 19mm thick and used for buildings that are exposed to wind pressures up to 2.5kPa (uls).

Axon™ Panel can also be used for 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 wind face load tests have been completed at a NATA accredited James Hardie laboratory and the suitability of its fixings has been verified to meet wind pressure requirement in various wind zones classified in NZS 3604 and SED wind zone up to wind pressure of 2.5kPa and meets the requirements of B1.3.1, B1.3.2 and B1.3.4.

Axon™ Panels have been tested as per BRANZ P21 test method 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 B2.3.1(a) and B2.3.2 of this clause.

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 cavity cladding as per its details has been tested 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.