

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 and on specific design buildings (SED) for wind pressures up to 2.5Kpa (ULS). 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 timber cavity batten that is nominal 18mm thick and used for buildings with a risk score between 7 and 20.

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 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 has 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 the 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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