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**MAGNUM
BOARD**

Product Technical Statement

This PTS follows the format proposed by MBIE in their document 'Product technical statement tool'

Product Description: Magnum Board 18mm Fibre-Reinforced Magnesium Oxide Based Board for use in the Masterwall Rendering System for use over timber framing or light gauge steel framing. For use in wind zones up to and including extra high as defined in NZS3604. The product is designed to provide a durable vapour permeable exterior cladding layer within the Masterwall Rendering System when over coated with Masterwall Products as per the Masterwall Technical Documents

Scope of Use: external environment above ground, with a (seismic) locality factor (Z) of up to 0.42 (Upper Hutt), in a temperate climate; the system is limited to use for residential housing including Class 1 and Class 2 type construction. I.e. stand-alone houses and multi-apartment dwellings, up to three stories high; installation of the product is undertaken by persons properly trained and approved by the supplier Health Based Building

Compliance with the NZBC: Magnum Board 18mm for use in the Masterwall Rendering System meets the following requirements of the NZBC.

Structure - B1: Magnum Board 18mm for use in the Masterwall Rendering System meets the requirements of B1.3.3 (h)

Durability - B2: Magnum Board 18mm for use in the Masterwall Rendering System meets the durability performance requirements of section B2.3.1 (a)

External Moisture – E2: Magnum Board 18mm for use in the Masterwall Rendering System meets the external moisture requirements of section E2.3.2.

Hazardous Building Materials - F2 3.1: Magnum Board 18mm for use in the Masterwall Rendering System will not present a health hazard when handled as per its technical specifications.

Installation: Magnum Board 18mm in the Masterwall Rendering System must be installed in accordance with Masterwall Technical Specification.

<https://www.healthbasedbuilding.com/magnum-board/masterwall-system>

Considerations: Magnum Board 18mm for use within the Masterwall Rendering System is the same product and product composition in use within Magnum Board 9mm & 16mm Weather Board, Magnum Board 9mm Rigid Air Barrier and Magnum Board 18mm Flooring Underlay. Independent appraisals are connected to these products. In addition to these appraisals and to further establish PTS credibility, the product has been subjected to considerable ASTM independent testing including AC386. A complete electronic folder containing all independent test data can be obtained on request. History of use is available via Health Based Building.

The result of these considerations is: Magnum Board 18mm for use in the Masterwall Rendering System when installed according to the manufacturer's instructions, will comply with Performance Clauses B1.3.3 (h), B2.3.1 (a), E2.3.2, and F2.3.1 of the NZBC.