

Product Technical Statement

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

Product Description: Magnum Board 18mm Flooring Underlay Fibre-Reinforced Magnesium Oxide Based Board

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 manufacturer.

Compliance with the NZBC:

Magnum Board 18mm Flooring Underlay meets the following requirements of the NZBC.

Structure - B1: Magnum Board 18mm Flooring Underlay has been tested to meets the requirements of B1.3.1, B1.3.3 (b), (p), (q) of Clause B1.

Durability - B2: Magnum Board 18mm Flooring Underlay meets the durability performance requirements of section B2.3.1 (a) of Clause B2.

Fire Performance - C: Magnum Board 18mm Flooring Underlay is classified as non-combustible

Hazardous Building Materials - F2 3.1 Magnum Board 18mm Flooring Underlay will not present a health hazard when handled as per its technical specifications.

Installation: Magnum Board 18mm Flooring Underlay must be installed in accordance with Technical Specification. . The specification and details are available at <https://www.healthbasedbuilding.com/magnum-board/magnum-board-flooring-18mm?gn=Magnum%20Board&gp=4> or www.healthbasedbuilding.com

Warranty: Magnum Board 18mm Flooring Underlay has a product warranty of 30 years when installed as per the technical specification

Considerations

The key issues for this product are its load bearing capacity and performance over time. As a result, the statement from Holmes for project 132262 has been peer reviewed by a Chartered Professional engineer for an opinion concerning compliance with the relevant performances of clause B1. Separately, the writer has conducted an independent assessment of durability and potential hazardous material to enable opinions to be given.

The result of these considerations is: Magnum 18mm Flooring Underlay, when installed according to the manufacturer's instructions, will comply with Performance Clauses B1.3.1, B1.3.3 (b), (p), (q), B2.3.1 (a) and F2.3.1 of the NZBC.