

## Product Technical Statement

**Product Description:** RAB Board 6mm is a pre-sealed rigid air barrier for use in medium to high-rise construction.

**Scope of Use:** RAB Board can be used in residential buildings as a rigid sheathing as per the requirement of section 9.1.7.2 of E2/AS1. RAB Board is also suitable to withstand high wind pressures up to 4.5kPa experienced on Specific Engineering Design (SED) building facades where it equalises the wind pressure within the cavity to pressures on the face of building facade.

RAB Board is also suitable for use in fire rated systems and bracing applications.

**Limitations:** RAB Board must not be used in following a situation where it stays in contact with ground moisture

### **Compliance with the NZBC:**

RAB Board is classified as acceptable solution in accordance with E2/AS1 and meets the requirements of the NZBC.

*Structure - B1:* RAB Board installed as per its installation manual has been assessed to withstand wind pressures for various wind zones as per NZS 3604 and Specific Engineering Design (SED) wind zones up to a wind pressure of 4.5kPa and meets the requirements of B1.3.1, B1.3.2 and B1.3.4 of Clause B1.

RAB Board is tested as per BRANZ P21 test and is suitable for use in bracing applications for buildings within the scope of NZS 3604.

*Durability - B2:* RAB Board is manufactured in accordance with AS/NZS 2908.2 and meets the durability performance requirements of section B2.3.1(a) and B2.3.2 of Clause-B2.

*External Moisture - E2:* RAB Board has been tested and meets the requirements of Table 23 of E2/AS1.

*Hazardous Building Materials - F2:* RAB Board complies with the requirements of F2.3.1 and will not present a health hazard when handled as per its technical specifications.

*Fire Performance - C:* RAB Board has been assessed and is classified as non-combustible material and are suitable for use in fire rated external walls close to boundaries.

**Installation:** RAB Board must be installed in accordance with Rigid Air Barriers Installation Manual. . The specifications are available at James Hardie web site [www.jameshardie.co.nz](http://www.jameshardie.co.nz) or Ask James Hardie™ at 0800 808 868 for further information.

**Warranty:** RAB Board has a product warranty of 15 years when installed and maintained as per the current installation manual.