

CLASS 1

Building Product Information Sheet

Product name:

GIB Quiet Tie

Product line (the product line from which the product is customised):

GIB Acoustic Accessories

Product description and its intended use (measurements, materials, usage):

GIB® Quiet Ties® have been designed to provide a structural connection between the studs and plates of double timber frame walls, whilst maintaining the published noise control STC/Rw rating of GIB Noise control systems. The GIB® Quiet Tie® has a design capacity of 4 kN in tension and 2 kN in compression (compression loads will also be partially absorbed by mineral fibre packing between frames at floor levels). GIB® Quiet Tie® is distributed by MiTek New Zealand, fastening instructions are included in the packaging.

Product identifier (if applicable):

GIB Quiet Tie

Place of manufacture: Aotearoa New Zealand Overseas

Legal and trading name of the manufacturer(s):

Winstone Wallboards Limited

Legal and trading name of the importer (if applicable):

Address for service:

STREET NAME Felix Street SUBURB Penrose

CITY, COUNTRY Auckland POSTCODE 1642

Website:

<http://www.gib.co.nz>

Email address:

info@gib.co.nz

Phone No. (if applicable):

0800 100 442

NZBN (if applicable):

N/A



Relevant Building Code clauses:

B1 Structure: Performance clauses B1.3.1, B1.3.2, B1.3.3 (a), (b), (c), (f), (h), (i), (l) and B1.3.4 (a), (b), (d).

B2 Durability: Performance clauses B2.3.1(a) (i), (ii), (iii), and B2.3.2.

F2 Hazardous Building Materials: Performance clause F2.3.1.

G6 Airborne and impact sound: Performance Clause G6.3.1

Statement on how the building product is expected to contribute to compliance:

B1 Structure: Performance clauses B1.3.1, B1.3.2, B1.3.3 (a), (b), (c), (f), (h), (i), (l) and B1.3.4 (a), (b), (d). The GIB® Quiet Tie® has been designed to provide a structural connection between the frames of double stud walls, whilst maintaining the STC rating of the system. If connections are required to resist a lateral force of 0.5kPa, as per NZBC B1/VM1, then the recommended spacing is one GIB® Quiet Tie® at no more than 1.8 metres spaced horizontally along the suspended floor wall bottom plate, for an inter-storey height of 3 metres. Refer to the GIB Noise control systems manual for details.

When required to achieve lateral connection between frames as part of a specific engineering design, the Structural Engineer shall determine the appropriate spacing of GIB® Quiet Ties®. The GIB® Quiet Tie® has a design capacity of 4 kN in tension and 2 kN in compression (compression loads will also be partially absorbed by mineral fibre packing between frames at floor levels).

B2 Durability: Performance clauses B2.3.1(a) (i), (ii), and (iii), and B2.3.2. GIB® Quiet Tie® has been assessed to have a durability of at least 50 years when used under normal conditions dry internal use. These products must be installed in accordance with the relevant GIB specification outlined in the design section of this document.

F2 Hazardous Building Materials: Performance clause F2.3.1. GIB® Quiet Ties® are safe to handle and use. There are no specific requirements in order to comply with Acceptable Solution F2/AS1, First Edition Amendment 3, 2017.

G6 Airborne and impact sound: Performance clause G6.3.1. When installed in accordance with the GIB Noise Control Systems technical literature, GIB® Quiet Ties® provide a structural connection between the studs and plates of double timber frame walls, whilst maintaining the published STC/Rw rating of GIB Noise Control systems.

- *options for compliance set out in section 19 of the Act (regulations, acceptable solution, verification method)*
- *standard or technical document that describes the performance of the building product or the relevant specifications to which the building product was manufactured*
- *physical properties of the building product*
- *how the building product is intended to be used.*

Limitations on the use of the building product:

It should be noted that GIB products do not satisfy code requirements on their own, but deliver code compliant performance when used as part of a GIB performance system and installed in accordance to the specific GIB System specification outlined in the relevant GIB technical literature.

GIB® Quiet Ties® are not suitable for use with double timber frame wall systems that incorporate a GIB Barrierline® central barrier.

Design requirements that would support the use of the building product:

Specific applications, design and installation instructions, are outlined in the following technical literature.

GIB Noise Control Systems, 2017, and associated BRANZ Appraisal No.394 [2017]

GIB Product and Systems Warranty

Installation requirements:

Refer to the GIB Noise Control Systems manual for installation details.

Building work must be undertaken by competent and experienced tradespersons familiar with installation of GIB Systems.

Maintenance requirements:

There are no specific maintenance requirements when installed in accordance with the design and installation requirements listed above.

Is the building product/building product line subject to warning or ban under section 26?:

Yes No

If yes, description of the warning or ban under section 26:

N/A

Date:

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