

MASONS HEAVY AND MEDIUM DUTY BRICK TIES

PURPOSE

Masons NZ Ltd supply Masons Heavy & Medium Duty Brick Ties (Masons Brick Ties) for securely fastening any masonry veneer to a structural frame, suitable for both dry and wet bed applications..

EXPLANATION

Masons Brick Ties are category type B ties manufactured from either hot-dipped galvanised steel or stainless steel (with a minimum grade of 316), in accordance with NZS 2699.1:2000 standards. The ties incorporate a ridge to stop water tracking towards the framing.

The ties are available rated earthquake heavy duty (EH) and are offered in lengths of 85 mm, 90 mm, 110 mm, and 135 mm, with various options for fastening to either timber or steel framing. The ties are also available in earthquake medium duty (EM) in a length of 90 mm.



For further assistance please contact:

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SCOPE AND LIMITATIONS OF USE

Scope	Limitations
Location In wind zones up to and including Extra High as defined in NZS 3604:2011 or to a maximum wind design pressure (ULS) of 2.1 kPa. In all exposure zones as defined in NZS 3604:2011. In all seismic zones. Any proximity to a relevant boundary.	> In Zones D and E or where microclimatic conditions apply > (refer to paragraph 4.2.4 of NZS 3604:2011), stainless steel > tie must be used. > Medium density ties may be specified where the seismic zone is up to and including zone 2 and maximum spacings are 400 mm horizontally and 300 mm vertically. > Where the building is less than 1 m to a relevant boundary, > the balance of the wall must meet all relevant fire Building > Code obligations.
Building In conjunction with buildings where the primary structure complies with the Building Code or for an existing structure where the designer and installer are satisfied that the existing framing is suitable for the intended building work. In conjunction with a timber or steel frame. As a type B brick veneer tie.	> Suitable for dry or wet bed applications. > Use in accordance with Table 18A of E2/AS1 or when brick ties conforming to AS/NZS 2699.1:2000 are indicated. > Maximum spacings must be 600 mm horizontally and 400 mm vertically. > Specific engineering design is required where masonry veneer exceeds 220 kg/m².

USEFUL INFORMATION

For design, installation and maintenance information, refer to www.mpb.co.nz.





PERFORMANCE CLAIMS

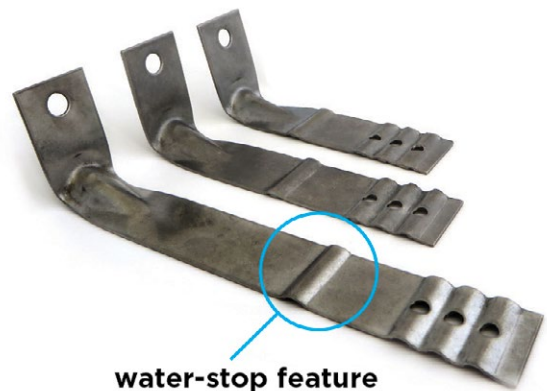
If designed, installed and maintained in accordance with all Masons NZ Ltd requirements, Masons Heavy & Medium Duty Brick Ties will comply with or contribute to compliance with the following performance claims:

NZ Building Code clauses	Compliance statement	BASIS OF COMPLIANCE Demonstrated by
B1 Structure B1.3.1, B1.3.2, B1.3.3 (a, b, c, e, f, h, m, q), B1.3.4	VERIFICATION METHOD B1/VM1 and ACCEPTABLE SOLUTION B1/AS1	➤ Tested in accordance with AS/NZS 2699.1:2000 as per AS/NZS 2699.2:2000. AS/NZS 2699.2:2002 is cited in NZS 3604:2011 and E2/AS1 and NZS 4230:2024 [SGS 04/09/2020a, b, c; 8/09/2020a, b, c, d; 2/12/2020a, b].
B2 Durability B2.3.1 (a, b)	VERIFICATION METHOD B2/VM1	➤ Materials in accordance with Table 18C and Table 20 of E2/AS1, section 4 of NZS 3604:2011 and Table 1 of B2/AS1. Stainless steel coating confirms with specification for 316 grade stainless steel, tested in accordance with AS2331 Part 2.1:2001 [MetalTest, 23/9/2020].
E2 External moisture	ACCEPTABLE SOLUTION E2/AS1	➤ Specification in accordance with Table 18A and 18B of E2/AS1.
F2 Hazardous Building Materials	ALTERNATIVE SOLUTION	➤ Manufactured material is inert. ➤ Use in accordance with the supplier's safety instructions.

SOURCES OF INFORMATION

- SGS. [04/09/2020a] *85mm galv brick ties 1. 2mm heavy duty*. Test Certificate No.: INZ69445-03A.
- SGS. [04/09/2020b] *Medium Duty 1. 0mm Stainless Steel*. Test Certificate No.: INZ70404-01.
- SGS. [04/09/2020c] *Medium Duty 1. 0mm galv*. Test Certificate No.: INZ70404-02.
- SGS. [08/09/2020a] *Masons Heavy duty Galv 85mm Brick Tie*. Test Certificate No.: INZ70404-03A.
- SGS. [08/09/2020b] *Masons Heavy duty Stainless Steel 85mm Brick Tie*. Test Certificate No.: INZ70404-04A.
- SGS. [08/09/2020c] *Masons Heavy duty Galv 110mm Brick Tie*. Test Certificate No.: INZ70404-05A.
- SGS. [08/09/2020d] *Masons Heavy duty Galv 90mm Brick Tie*. Test Certificate No.: INZ70404-06A.
- SGS. [02/12/20a] *Masons Heavy duty Stainless Steel 90mm Brick Tie*. Test Certificate No.: INZ71098-01.

- SGS. [02/12/20b] *Masons Heavy duty Stainless Steel 110mm Brick Tie*. Test Certificate No.: INZ71098-02.
- MetalTest. [23/09/20] Letter from MetalTest regarding zinc coating mass as per AS 2331.1 of brick tie and stainless steel chemical analysis of brick tie.



water-stop feature

1. Where a standard is referenced it is to be read as amended by the acceptable solution or verification method as applicable. 2. Sources of information also include the Building Act 2004 and its regulations, including the Building Code (Schedule 1 of the Building Regulations 1992), Acceptable Solutions and Verification Methods, and relevant cited standards. 3. The product is not subject to a warning or ban under section 26 of the Building Act. 4. For overseas manufacturer details, where applicable, refer to the company that is the holder of this pass™. 5. The quality and assurance that the supplied products meet the performance claims stated in this pass™ are the responsibility of the company that is the holder of this pass™. 6. The availability of the information about the supplied products required to be disclosed under s14G(3) is the responsibility of the company that is the holder of this pass™.

Mason NZ Ltd confirms that if Barricade WD is used in accordance with the requirements of this pass™ the product will comply with the NZ Building Code and other performance claims set out in this pass™ and the company has met all of its obligations under s14G(2) of the Building Act.

Date of first issue: 28/09/2023

Date of current issue: 16/08/2024

NZBN: 9429051703563

SCAN OR CLICK THIS QR CODE TO ACCESS OR REQUEST THE RELEVANT SUPPORTING DOCUMENTATION FOR THIS PASS™.

mpb.co.nz



Kevin Brunton

Kevin Brunton, Technical Director, TBB confirms that the process used to prepare this pass™ on behalf of Mason NZ Ltd has been undertaken in accordance with MBIE PTS guidelines and in accordance with the TBB pass™ process which is within the scope of TBB's ISO 9001 certification.

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