



Fire Test Certificate

This is to certify that the specimen described below has been examined by BRANZ Ltd on behalf of

Winstone Wallboards Ltd
37 Felix Street
Penrose
Auckland 1061

Test standard: AS 1530.4:2014

Specimen name: GIB® Fire Rated Steel Penetrations in GIB® Fire Rated Walls or concrete/masonry fire rated walls

Specimen description: **Protected Clad-Back Steel Protections**

Winstone Wallboards Ltd fire rated timber and steel framed walls with protected steel penetrations protected 300 mm each side of the wall with the same lining as the wall (universal walls 600 mm on lined side), packed with mineral fibre insulation along the protected length and any gaps sealed with GIB Fire Soundseal®. Minimum steel section 64 mm x 0.5 mm thick steel stud or similar. The maximum section thickness shall not exceed 20 mm for FRRs up to and including 60 minutes, and 10 mm for FRRs of 90 and 120 minutes

GIB® Systems	Wall FRR	Penetration FRR
Steel Framed Wall Systems (Exposure from Either direction)		
GBSL 15	15/15/15	-/15/15
GBS 30, GBSA 30b, GBSA 30s, GBQSA 30	-/30/30	-/30/30
GBSL 30a, GBSL 30b, GBSA 45, GBQSA 45	30/30/30 -/45/45	-/30/30 -/45/45
GBS 60, GBSA 60c, GBQSA 60, GBQSA 60a, GWSE 60, GWSP 60	-/60/60	-/60/60
GBSL 60a, GBSL 60b	60/60/60	-/60/60
GBS 90, GBS 90a, GBS 90b, GBSA 90c, GBSA 90d, GBSA 90s, GBQSA 90	-/90/90	-/90/90
GBSL 90	90/90/90	-/90/90
GBS 120, GBS 120a, GBS 120b, GWSE 120	-/120/120	-/120/120
Timber Framed Wall Systems (Exposure from Either direction)		
GBTL 30, GBTL 30b, GBTL 30c, GBTLA 30a, GBTLA 30b, GWTLE 30, GWTLP 30	30/30/30	-/30/30
GBTL 60, GBTL 60b, GBTLA 60, GWTLE 60a, GWTLE 60b, GWTLP 60	60/60/60	-/60/60
GBTL 90, GBTLA 90c, GBTLA 90d	90/90/90	-/90/90
GBT 120a, GBT 120b, GWTE 120	-/120/120	-/120/120
GBTL 120	120/120/120	-/120/120
Timber or Steel Framed Universal Wall Systems (Exposure from the Lined Direction Only)		
GBUW 15	15/15/15	-/15/15
GBUW 30a, GBUW 30b	30/30/30	-/30/30
GBUW 60	60/60/60	-/60/60

Orientation: Fire exposure from either side

A full description of the test specimen and the test results are given in BRANZ Test Reports and Assessments:

FC16525-01-2

Conditions of laboratory registration by IANZ do not allow assessments by the Registered Laboratory to be covered by IANZ.

Regulatory authorities are advised to examine test reports before approving any product.

Certificate issued: 8 May 2026

Certificate Number: FC16525-01-C1-2

Page 1 of 2

P. Chapman
Senior Fire Testing Engineer
For BRANZ Limited



This Laboratory is accredited by International Accreditation New Zealand (IANZ). The tests reported herein have been performed in accordance with the laboratory's scope of accreditation.

The National Association of Testing Authorities (NATA) and International Accreditation New Zealand (IANZ) are both signatories of the ILAC Mutual Recognition Agreement.

The following statement is required by the test standard "This certificate is provided for general information only and does not comply with the regulatory requirements for evidence of compliance."



Fire Test Certificate

The steel penetration protection shall be constructed as follows:

- Wall lined on both sides of the framing - the section shall be lined nominally 300 mm each side of the wall with the same thickness/lining as the wall system.
- Wall lined on one side of the framing only - the section shall be lined nominally 600 mm from the lined face of the wall with the same thickness/lining as the wall system
- The section shall be packed with mineral fibre insulation along the full protected length.
- At the wall opening the plasterboard is to be secured directly to the steel section or the opening trimmed with a GIBFix® angle. Along the length the plasterboard is secured to the steel section or an angle section.
- All board joints are to be sealed with GIB Fire Soundseal®.
- The minimum steel penetration is limited to a nominally 64 mm x 0.5 mm steel stud or similar.
- The maximum section thickness shall not exceed 20 mm for FRRs up to and including 60 minutes, and 10 mm for FRRs of 90 and 120 minutes.
- This applies to concrete/masonry walls at least 90 mm thick up to a maximum FRR of -/120/120 with the steel plasterboard protection appropriate to the FRR of the wall.

The steel penetration is to be fully supported on both sides of the wall and independent of the wall such that no load is applied to the wall.

Steel Penetrations without Clad-Back

Penetration	Fire Rated wall systems FRR	Penetration FRR
HST/DST 150/15 Purlin	-/30/30	-/30/30
	-/60/60	-/60/60
Cold rolled section up to 200 mm high x 60 mm wide (Superwool® insulation)	-/60/60	-/60/-
Cold rolled section up to 400 mm high x 100 mm wide (profile lining around section)	-/30/30	-/30/-
Square hollow section (SHS) 50 mm x 50 mm x 2.5 mm	-/30/30	-/30/30
	-/60/60	-/60/30
SHS or RHS up to 200 mm x 200 mm (minimum wall thickness 2.5 mm)	-/60/60	-/60/-
	-30/30	-/30/-
12 mm diameter steel bar (backed by framing)	-/30/30	-/30/30
	-/60/60	-/60/60
12 mm diameter steel bar with GIB Fyrelime® patch	-/30/30	-/30/30
	-/60/60	-/60/60
12 mm to 32 mm diameter steel bar, backed by framing or with GIB Fyrelime® patch	-/60/60	-/60/-
	-/30/30	-/30/-
Hot rolled re-entrant sections up to 10 mm thick web/flange	-/30/30	-/30/30
	-/60/60	-/60/30
Hot rolled re-entrant sections up to 20 mm thick web/flange with framed opening and profile lining around section	-/60/60	-/60/-
	-/30/30	-/30/-

Steel penetrations without clad-back notes:

- The steel penetration is to be fully supported on both sides of the wall and independent of the wall such that no load is applied to the wall.
- The wall cavity shall be packed with Superwool® Plus blanket, 128 kg/m³ or similar grade of insulation packed to achieve a snug friction fit as tested.
- This only applies to framed walls where the framing is lined on both sides with GIB® plasterboard. The minimum GIB® plasterboard thickness shall not be less than 13 mm.
- Where the wall opening for the section exceeds nominally 60 mm wide x 200 mm high the opening shall be framed around the section and the lining cut to follow the section profile.
- Any gaps shall be filled with GIB Fire Soundseal®.

Certificate Number: FC16525-01-C1-2

Page 2 of 2