

5113G GIB® PLASTERBOARD LININGS

1. GENERAL

This section relates to the supply, fixing and jointing of GIB® plasterboard linings and accessories to timber and steel framed walls and ceilings to form:

- standard systems
- superior finish quality systems
- bracing systems
- fire rated garage boundary wall systems
- wet area systems

1.1 RELATED WORK

Refer to ~ for ~.

1.2 ABBREVIATIONS AND DEFINITIONS

Refer to the general section 1232 INTERPRETATION & DEFINITIONS for abbreviations and definitions used throughout the specification.

The following abbreviations apply specifically to this section:

AWCINZ Association of Wall and Ceiling Industries New Zealand

Documents

1.3 DOCUMENTS

Refer to the general section 1233 REFERENCED DOCUMENTS. The following documents are specifically referred to in this section:

- [NZBC C/AS2-AS6](#) Protection from fire
- [NZBC E2/AS1](#) External moisture
- AS 1397 Continuous hot-dip metallic coated steel sheet and strip - Coatings of zinc and zinc alloyed with aluminium and magnesium
- [AS/NZS 2588](#) Gypsum plasterboard
- [AS/NZS 2589](#) Gypsum linings - Application and finishing
- [NZS 3604](#) Timber-framed buildings
- [AS/NZS 4600](#) Cold-formed steel structures
- ISO 5660.1 Reaction-to-fire tests - Heat release, smoke production and mass loss rate - Part 1: Heat release rate (cone calorimeter method)
- ISO 5660.2 Reaction-to-fire tests - Heat release, smoke production and mass loss rate - Part 2: Smoke production rate (dynamic measurement)

BRANZ Technical Paper P21 BRANZ Technical Paper P21: A wall bracing test and evaluation procedure (2010)

NASH Residential and Low-Rise Steel Framing Part 1 2010 Design Criteria

1.4 MANUFACTURER/SUPPLIER DOCUMENTS

Manufacturer's and supplier's documents relating to this part of the work:

- GIB® Site Guide (Dec 2014)
- GIB Ultraline® Plus lining system (February 2006)
- GIB® Noise Control Systems (March 2006)
- GIB® Fire Rated Systems (Oct 2012)
- GIB Aqualine® Wet Area Systems (March 2007)
- GIB Superline® (June 2013)
- GIB® Ezybrace® Systems (June 2011), with amendments (Dec 2014)
- GIB® Ezybrace® Software (2011), with amendments (Dec 2014)
- GIB® Ezybrace® for Steel Frame Housing (NASH) Software (2011)
- GIB® Rondo® Metal Ceiling Batten Systems
- GIB-Cove®
- GIB® Goldline™ Platinum Tape-on Trims (Jan 2006)
- GIB® UltraFlex® high impact corner mould (Sept 2004)
- GIB® Tough Systems (Nov 2014)
- [BRANZ Appraisal 294 \(2011\)](#) - GIB® Ezybrace® Systems
- [BRANZ Appraisal 427 \(2007\)](#) - GIB Aqualine® Wet Area Systems

GreenTag Certification - GreenTag™ GreenRate/Level C for:

- GIB® Standard (10mm & 13mm)
- GIB Fyreline® (10mm, 13mm, 16mm & 19mm)
- GIB Braceline® (10mm & 13mm)
- GIB® Noiseline® (10mm & 13mm)
- GIB Toughline® (13mm)

Copies of the above literature are available at

Company: Winstone Wallboards

Web: www.gib.co.nz

Telephone: 0800 100 442

Requirements

1.5 NO SUBSTITUTIONS

Substitutions are not permitted to any specified GIB® systems, GIB® system components, GIB® plasterboard, associated GIB® products or GIB® accessories.

1.6 INSTALLER WORK SKILLS AND QUALIFICATIONS

GIB® plasterboard fixers and plasterers to be experienced competent workers, familiar with GIB® plasterboard lining systems installation and finishing techniques. Submit evidence of experience on request. For example:

- National Certificate of Interior Systems; or
- Certified Business member of AWCINZ.

Performance

1.7 INSPECTIONS AND ACCEPTANCE

Allow for inspection of the finished plasterboard surface:

- before applying sealer and
 - before applying finish coatings or decorative papers,
- so that after assessment of the type and/or angle of illumination and its effect on the completed decorative treatment, group approval and acceptance of the surface can be given.

1.8 FIRE RATING REQUIREMENTS

Provide the GIB® fire resistant rated garage boundary wall systems. Refer to SELECTIONS for system/FRR.

1.9 SOUND INSULATION REQUIREMENTS

Provide the GIB® Noise Control Systems. Refer to SELECTIONS for system/STC. Include for forming and treating of perimeters of openings and penetrations in the elements to ensure the specified performance. Ensure absence of adjoining flanking paths.

1.10 BRACING REQUIREMENTS

Provide braced wall systems using GIB® Ezybrace® Systems (June 2011) or GIB® Ezybrace® Software (2011) to meet the requirements of NZS 3604 when tested to BRANZ Technical Paper P21. Alternatively use GIB® Ezybrace® for Steel Frame Housing (NASH) Software 2011 to meet the requirements of NASH Residential and Low-Rise Steel Framing Part 1 2010 Design Criteria. Refer to drawings for location and type.

1.11 SURFACE FIRE PROPERTIES - UNFINISHED BOARD

All GIB® unfinished plasterboard sheet materials achieve a Group Classification of, Group 1-S to NZBC C/AS2-AS6, Table 4.1, following testing in accordance with ISO 5660.1 and ISO 5660.2.

2. PRODUCTS

Materials

- 2.1 **GIB® PLASTERBOARD**
 Gypsum plaster core encased in a face and backing paper formed for standard and water resistance use to [AS/NZS 2588](#). Refer to SELECTIONS for location, type, thickness and finish.
 GIB® Standard plasterboard
 GIB Wideline® plasterboard
 GIB Ultraline® and/or GIB® Ultraline PLUS high quality surface plasterboard
 GIB Fyreline® fire resistant plasterboard
 GIB Braceline® & GIB® Noiseline® dual purpose wall bracing & noise control plasterboard
 GIB Aqualine® wet area plasterboard
 GIB Toughline®
 GIB Superline®

- 2.2 **CORNICE**
 GIB-Cove® plasterboard cornice. Refer to SELECTIONS for profile and size.

Components

- 2.3 **CEILING BATTENS**
 GIB® Rondo® metal ceiling battens, batten joiners and perimeter channel.

- 2.4 **SCREWS**
 GIB® Grabber® drywall screws.

- 2.5 **NAILS**
 GIB® Nails (gold passivated).
 Size: 30mm, 40mm

- 2.6 **TAPE ON TRIMS AND EDGES**
 GIB® Goldline™ tape-on trims
 GIB® UltraFlex® high impact corner mould
 GIB® Levelline® Tape on Trim

- 2.7 **METAL ANGLE TRIMS**
 GIB® galvanized steel slim angle trims.

- 2.8 **CONTROL JOINTS**
 GIB® Rondo® P35 control joints.
 GIB® Goldline™ tape-on trims

Accessories

- 2.9 **ADHESIVE**
 Timber frame and/or steel frame:
 GIBFix® One ultra low VOC water based wallboard adhesive
 GIBFix® All-Bond solvent based wallboard adhesive

- 2.10 **JOINTING COMPOUND**

Bedding compound:	GIB Tradeset®, GIB Lite Blue®, GIB MaxSet®, GIB ProMix® All Purpose, GIB Plus 4®
Finishing compound:	GIB ProMix® All Purpose, GIB® Trade Finish®, GIB® Trade Finish® Lite, GIB ProMix® Lite, GIB® U-Mix, GIB Plus 4®, GIB Trade Finish® Multi
Cove:	GIB-Cove® Bond

- 2.11 **JOINTING TAPE**
 GIB® paper jointing tape.

- 2.12 **ACOUSTIC SEALANT**
 GIB Soundseal® ultra low VOC water based highly flexible acoustic sealant.

- 2.13 **GAP FILLER**
 GIB® Gap Filler ultra low VOC multi-purpose acrylic flexible filler

3. EXECUTION

Conditions

3.1 STORAGE

Store GIB® plasterboard sheets and accessories in dry conditions stored indoors out of direct sunlight in neat flat stacks on either an impervious plastic sheet or clear of the floor with no sagging and avoiding damage to ends, edges and surfaces. Reject damaged material. Refer to GIB® Site Guide (Dec 2014).

3.2 LEVELS OF PLASTERBOARD FINISH

Provide the selected plasterboard surfaces to the pre decorative levels of finish specified in [AS/NZS 2589](#).

3.3 CONFIRM LEVELS OF PLASTERBOARD FINISH ACCEPTANCE

Before commencing work, agree in writing upon the surface finish assessment procedure towards ensuring that the quality of finish expectations are reasonable and are subsequently obtained and acceptable.

Do not apply decorative treatment until it is agreed in writing by the contractor, subcontractors and decorator that the specified plasterboard Level of Finish has been achieved.

"Levels of plasterboard finish" is a tool for specifying the required quality of finish when installing and flush stopping GIB® plasterboard **prior** to the application of a range of decorative finishes under various lighting conditions. Refer to **AS/NZS 2589**.

3.4 SUBSTRATE

Do not commence work until the substrate is plumb, level and to the standard required by the sheet manufacturer's requirements. Refer to GIB® Site Guide (Dec 2014).

3.5 TIMBER FRAME MOISTURE CONTENT

Maximum allowable moisture content to [AS/NZS 2589](#) for timber framing at lining: 18% or less for plasterboard linings. Refer to [NZBC E2/AS1](#) and GIB® Site Guide (Dec 2014).

3.6 METAL FRAMING

Metal framing, to which gypsum lining is fixed, shall comply with AS 1397, [AS/NZS 4600](#), or NASH Residential and Low-Rise Steel Framing Part 1 2010 Design Criteria, as applicable. Where adhesion of gypsum linings is required, surfaces shall be free of oil, grease, dust and other foreign materials. Refer to the metal framing manufacturers specifications where high density gypsum linings (>800 kg/m³) such as GIB Braceline® and GIB Noiseline® are specified for fixing to light gauge steel framing.

3.7 PROTECTION

Protect surfaces; cabinetwork, fittings, equipment and finishes already in place from the possibility of water staining and stopping damage. Refer to GIB® Site Guide (Dec 2014).

Application

3.8 INSTALL CEILING BATTENS

Install to GIB® Rondo® Ceiling Batten Systems requirements.

3.9 LINING WALLS AND CEILINGS GENERALLY

Form to GIB® Site Guide (Jan 2010). Ensure bulk insulation thickness shall not exceed that of the wall framing.

3.10 BOARD ORIENTATION

Minimise joints by careful sheet layout using the largest sheet sizes possible, and generally fixing horizontally. Where part sheets are required for various stud heights they should be positioned so the cut sheet is as low as possible to keep joints below eye level.

- 3.11 FORM NOISE CONTROL SYSTEMS
Form to GIB® Noise Control Systems requirements.
- 3.12 FORM WET AREA SYSTEMS
Form to GIB Aqualine® Wet Area Systems requirements.
- 3.13 FORM BRACING SYSTEMS
Form to GIB® Ezybrace® Systems (June 2011) requirements.
- 3.14 FORM CONTROL JOINTS
Form control joints to GIB® Site Guide (Dec 2014) requirements.
- 3.15 INSTALL COVES
Install to GIB-Cove® literature using GIB-Cove® Bond.
- 3.16 INSTALL TAPE-ON TRIMS
Install to GIB® Goldline™ Tape-on trims literature and/or GIB® Ultraflex high impact corner mould literature.

Finishing

- 3.17 FINISHING GENERALLY
To GIB® Site Guide (Dec 2014) and [AS/NZS 2589](#).

Completion

- 3.18 REPLACE
Replace damaged sheets or elements.
- 3.19 CLEAN DOWN
Clean down completed surfaces to remove irregularities and finally sand down with fine paper to the sheet manufacturer's requirements, to leave completely smooth and clean.
- 3.20 REMOVE
Remove debris, unused materials and elements from the site.
- 3.21 LEAVE
Leave work to the standard required by following procedures.

4. SELECTIONS

Plasterboard

4.1 GIB® STANDARD SYSTEMS WALLS

Location	Plasterboard type / Lining requirements	Thickness	Finish Level
~	GIB® Standard plasterboard	10mm	
~	GIB® Standard plasterboard	13mm	
~	GIB Ultraline® plasterboard	10mm	
~	GIB Ultraline® PLUS plasterboard	13mm	

4.2 GIB® WATER RESISTANT SYSTEMS WALLS

Location	Plasterboard type / Lining requirements	Thickness	Finish Level
~	GIB Aqualine® plasterboard	10mm	
~	GIB Aqualine® plasterboard	13mm	
~	GIB Superline®	13mm	

4.3 GIB® IMPACT RESISTANT SYSTEM WALLS

Location	Plasterboard type / Lining requirements	Thickness	Finish Level
~	GIB® Toughline	13mm	

~	GIB Superline®	13mm	
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4.4 GIB® STANDARD SYSTEMS CEILINGS

Location	Plasterboard type / Lining requirements	Thickness	Finish Level
~	GIB® Standard plasterboard	13mm	
~	GIB Ultraline® PLUS plasterboard	13mm	

4.5 GIB® WATER RESISTANT SYSTEMS CEILINGS

Location	Plasterboard type / Lining requirements	Thickness	Finish Level
~	GIB Aqualine® plasterboard	13mm	
~	GIB Superline®	13mm	

4.6 GIB® SOUND RATED SYSTEMS
Refer to GIB® Noise Control Systems

Location	Plasterboard type / Lining requirements	STC / System specification	Finish Level
~	~	~	~

4.7 GIB® FIRE RATED SYSTEMS
Refer to GIB® Residential Garage Boundary Walls.

Location / Type	Plasterboard type / Lining requirements	FRR / System specification	Finish Level
~	~	~	~

4.8 GIB® BRACING SYSTEMS
Refer to GIB® Ezybrace® Systems. For bracing element location refer to drawn documentation.

Accessories

4.9 GIB® CORNICE
Size/brand/type: ~mm

4.10 GIB® RONDO® CEILING BATTENS
Brand/type: GIB® Rondo® Ceiling battens

4.11 GIB® TAPE ON EDGE OR CORNER TRIMS
Brand/type: ~

4.12 GIB® EDGE PROFILES
Brand/type: ~