

I-Built Guara Ply Bracing

Bracing Types:

Brace Code	Brace Type	Min Brace Length	BU's per m (Wind)	BU's per m (EQ)
BP1 0.4m	7mm Guara-Ply 1 Side + Hold down brackets	0.4m	85	101
BP1 0.6m	7mm Guara-Ply 1 Side + Hold down brackets	0.6m	88	99
BP1 1.2m	7mm Guara-Ply 1 Side + Hold down brackets	1.2m	121	123
BPG 0.4m	7mm Guara-Ply 1 Side with 10mm Gib® Standard plasterboard lining other side + Hold down brackets	0.4m	90	102
BPG 1.2m	7mm Guara-Ply 1 Side with 10mm Gib® Standard plasterboard lining other side + Hold down brackets	1.2m	159*	161*

* Note: Bracing Panels must not exceed 120 BU/m when used on a timber framed floor or 150 BU/m when on a concrete floor slab/concrete perimeter foundation wall as per NZS3604:2011 Section 5.4.2.

These bracing values can also be applied to any F8 Structural Ply panel with a minimum thickness of 7mm

Bracing Panel fixing notes:

- Ply bracing elements are to be fixed into min 90 x 45 SG8 framing with maximum centres of 600mm and that complies with NZS3604:2011 and the New Zealand Building Code.
- Ply bracing elements must meet NZBC B2 Durability requirements and should be treated to H3.2 (CCA) when used in high moisture areas or used externally. Untreated Ply bracing can be used in interior bracing applications.
- Sheets should be fixed using 50mm x 2.8mm Galvanised flat head nails for direct fixing to framing at 150mm CRS around the perimeter of the element and at 300mm centres through the centre. Use 60mm x 2.8mm flat head nails when fixing over cavity battens. Screw fixings are not to be used.
- Minimum of Hot dipped galvanised nails are to be used when in contact with H3.2 CCA treated timber. In some instances stainless steel fixings may be required depending on the situation or exposure zone. When stainless steel fixings are used they must be annular grooved.
- GIB Handibrac® hold-down fixings must be installed in accordance with the manufacturers fixing details for timber or concrete floors to ensure bracing values are achieved. Refer to the installation details.
- A 3mm gap should be allowed for between Ply sheet edges to allow for any expansion in the Ply sheet.

Note: Bracing Units are based on P21 testing conducted by Scion and the EWPA on behalf of New Zealand Wood Products.

For further information on any of the I-Built™ product range and their performance, please contact the NZWOOD technical team on 0800 022 352

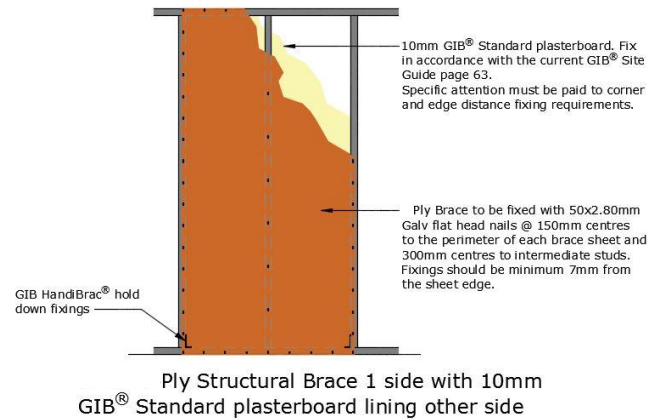
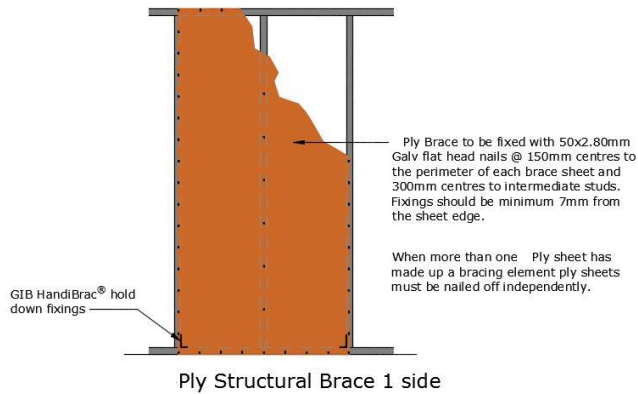


F8 Structural Plywood

IBuilt's Guara Structural Plywood is manufactured in accordance with AS/NZS 2269:2012 Structural Plywood. This guide outlines how to use structural Ply in bracing applications and provides fixing requirements and installation guidelines. It is important to consult the New Zealand Building Code (NZBC) and either contact NZWOOD for detailed engineering questions or consult your engineer or local council.

All IBuilt Structural Ply is independently certified by the SGS. In addition, all IBuilt Guara Ply is FSC (Forest Stewardship Council™) certified which provides assurance that the plywood is produced from well managed forests and other responsible sources. FSC certification assists institutions in gaining green star rating which can be required for government and educational facilities.

Installation of I-Built Ply Bracing Sheets



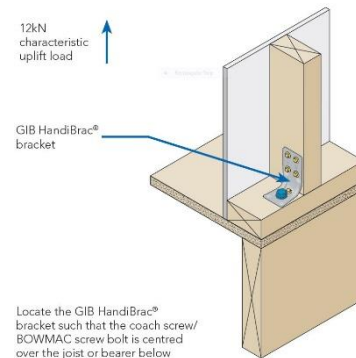
Ply Bracing panels should be fixed using 50mm x 2.8mm Galvanised flat head nails at 150mm centres around the perimeter of the sheet and at 300mm centres through the centre. Ply must be installed on timber framing constructed in accordance with the NZBC to meet Clause B1 Structure and Clause B2 Durability. *(Timber framing constructed to the requirements of NZS3604:2011 and treated to meet NZS3602:2003 will meet the requirements of the NZBC).*

GIB® Plasterboard for BPG Brace

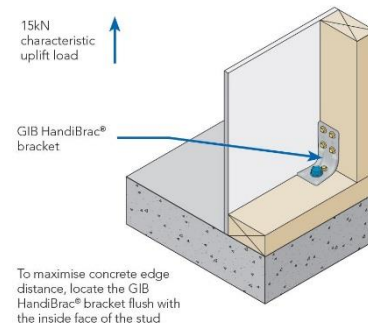
GIB® plasterboard when installed as bracing must be installed in accordance with GIB® Bracing System specifications as detailed in the current GIB® Site Guide. Failure to follow GIB® Bracing System specifications could result in the bracing panel not achieving the required bracing resistance.

GIB® sheets may be installed vertically or horizontally, with sheet edges touching, joints stopped and reinforced in accordance with the GIB® Site Guide. Fix using 35mm x 6g GIB® screws @ 150mm crs to the perimeter of the sheet with corners fixed at 50, 100, 150, 225 and 300mm crs from all corners. Fix screws @ 300 crs on intermediate supports as per GIB® Site Guide page 63.

GIB HandiBrac® Installation



Timber Floor – External Wall



Concrete Floor – External Wall

NZWOOD

NEW ZEALAND WOOD PRODUCTS LIMITED

PO Box 13647, Onehunga, Auckland 1643
 Tech Info Line: 0800-022-352
 Phone: +64-9-276 7030
 Fax: +64-9-270 0504
 Email: sales@nzwoodproducts.co.nz

www.nzwoodproducts.co.nz

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