



## Bremick Pty Ltd

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## PRODUCER STATEMENT

### BREMICK FASTENERS PLASTERBOARD SCREWS

September 2017

Bremick plasterboard screws have been tested by SCION Research in Rotorua, New Zealand. The test results are as follows:

#### 1200mm x 2.4m GS1 Standard Board

- BU Wind = 84 (70 BU/m) as limited by the ultimate load capacity.
- BU Earthquake = 71 (60 BU/m) as limited by the ultimate load capacity.

#### 1200mm x 2.4m BL1 Braceline<sup>®</sup> Board

- BU Wind = 159 (133 BU/m) as limited by the ultimate load capacity.
- BU Earthquake = 123 (103 BU/m) as limited by the ultimate load capacity.

The independent testing by SCION, confirms that when Bremick 6-9x32mm plasterboard screws are substituted for GIB<sup>®</sup> GRABBER<sup>®</sup> Screws, the structural bracing performance maintains its full integrity and remains in line with the structural specifications of the GIB<sup>®</sup> EzyBrace<sup>®</sup> Systems.

# Results

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<b>To:</b>	Matt Augimeri	<b>From:</b>	Doug Gaunt
<b>Organisation:</b>	Bremick Fastenings	<b>Subject:</b>	P21 2010 1200mm x 2.4m Wall GS1 Standard board one side
<b>Location:</b>	Alexandria NSW 2015	<b>Date:</b>	26 April 2017
<b>Mob No.:</b>	0061 411 410628	<b>No. of</b>	5
<b>Tel No.:</b>	0061 2 83321550	<b>Pages:</b>	

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Please call +64 7 343 5763 if transmission incomplete

Matt

Please find below the results of your three 1200mm x 2.4m Standard board one side walls as tested using your Bremick 6-9x32mm plasterboard screws.

1. BU wind = 84 (70 BU/m) as limited by the ultimate load capacity.
2. BU Earthquake = 71 (60 BU/m) as limited by the ultimate load capacity.

Note: Winstone's quote

1. BU wind = 70 BU/m.
2. BU Earthquake = 60 BU/m.

Figures 1, 2 & 3 show the load deflection plots, Figure 4 shows the P21:2010 calculations.

## Wall Construction

- 90x45 SG8 H1.2 studs (600 centres), plates, no nogs
- Winstones Standard board one side ,
- Bremick 6-9x32mm plasterboard screws to GIB pattern
- Tested with M12 hold down bolts and 50x50x3 washers to bottom plate.

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# Results

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<b>To:</b>	Matt Augimeri	<b>From:</b>	Doug Gaunt
<b>Organisation:</b>	Bremick Fastenings	<b>Subject:</b>	P21 2010 1200mm x 2.4m Wall BL1-H Braceline one side
<b>Location:</b>	Alexandria NSW 2015	<b>Date:</b>	26 April 2017
<b>Mob No.:</b>	0061 411 410628	<b>No. of</b>	5
<b>Tel No.:</b>	0061 2 83321550	<b>Pages:</b>	

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Please call +64 7 343 5763 if transmission incomplete

Matt

Please find below the results of your three 1200mm x 2.4m Braceline board one side walls as tested with Gib Handibrac Anchor holddowns using your Bremick 6-9x32mm plasterboard screws.

1. BU wind = 159 (133 BU/m) as limited by the ultimate load capacity.
2. BU Earthquake = 123 (103 BU/m) as limited by the ultimate load capacity.

Note: Winstone's quote

1. BU wind = 125 BU/m.
2. BU Earthquake = 105 BU/m.

Figures 1, 2 & 3 show the load deflection plots, Figure 4 shows the P21:2010 calculations.

## Wall Construction

- 90x45 SG8 H1.2 studs (600 centres), plates, no nogs
- Winstones Braceline board one side
- Bremick 6-9x32mm plasterboard screws to GIB pattern
- Gib Handibrac hold down brackets each end to fix end studs to bottom plate
- Tested with M12 hold down bolts to Handibracs and bottom plate.

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