

# Ecoply® EP Bracing Series Summary

July 2011

Carter Holt Harvey® Woodproducts has a range of bracing specifications called the EP bracing series. The EP bracing series simplifies the design and construction of bracing elements using Ecoply plywood, by itself or in conjunction with GIB® plasterboard.

Full specification material can be found at [www.chhwoodproducts.co.nz/ecoply-bracing](http://www.chhwoodproducts.co.nz/ecoply-bracing)

## Features & Benefits:

- ◆ Higher bracing performance per metre than existing elements
- ◆ Reduced number of element types
- ◆ Single sided and double sided bracing elements
- ◆ Special EPGS bracing element design for where cladding comes to soffit line\*
- ◆ High performance bracing element including GIB® Standard plasterboard
- ◆ A single type of hold-down for all bracing elements
- ◆ Direct fix or cavity construction
- ◆ Simplified construction using GIB Handibrac®
- ◆ Single page specifications for each bracing element type
- ◆ Code compliant with NZS3604:2011

Specification No.	Minimum Wall Length	Lining Requirements	BU's/m Wind	BU's/m Earthquake
EP1	0.6 m	7mm Ecoply®, Ecoply Barrier or Shadowclad® one side	125	130
EP2	0.6 m	7mm Ecoply®, Ecoply Barrier or Shadowclad® each side	140	150
EPG	0.4 m	7mm Ecoply® Ecoply Barrier or Shadowclad® one side and 10mm GIB® Standard plasterboard other side	100	115
	1.2 m		150	150
EPGS	0.4 m	7mm Ecoply®, Ecoply Barrier or Shadowclad® one side* and 10mm GIB® Standard plasterboard other side	100	115
	1.2 m		150	120

\* Plywood side of element must be a maximum of 300mm below top plate

Ecoply® Bracing Systems are designed to meet the requirements of the NZBC and have been tested and analysed using the P21 method referenced in NZS3604:2011 listed as an acceptable solution B1/AS1 Structure. Testing was carried out using Ecoply, Shadowclad and Laserframe SG8 timber framing manufactured by Carter Holt Harvey Limited trading as Carter Holt Harvey Woodproducts New Zealand, and GIB® products manufactured by Winstone Wallboards Ltd. **Substituting materials may compromise performance of the system.** GIB® and GIB HandiBrac® are registered trade marks of Fletcher Building Holdings Ltd.