

ELEPHANT PLASTERBOARD QUICKBRACE® SYSTEMS 2012

- › NZS3604:2011 Compliant
- › Revised Performances
- › Simplified Bracing Systems
- › New Numbering System



Elephant
Plasterboard
STRENGTH WITH STYLE

Elephant Plasterboard QuickBrace[®] Systems 2012 Key Changes

This document replaces and supersedes all previous Elephant Plasterboard Bracing Publications.

Key Changes

- NZS3604:2011 compliant
- Re-evaluated performances in accordance with BRANZ P21 (2010) Test Method
- Simplified bracing systems
- New numbering system

Compliance to NZS3604:2011

The Elephant Plasterboard Quickbrace Systems and software are now fully compliant to NZS3604:2011.

- NZS 3604:2011 compliant to meet the new wind and earthquake demands

Revised Performance

A new re-evaluated table of results is enclosed that reflect the changes in the methodology behind the BRANZ P21 (2010) Test Method. These make the performance tables available for use when designing to NZS3604:2011.

- Responsible, conservative and reliable bracing units ratings

Simplified Bracing Systems

We have reviewed and condensed the number of systems available to designers including amalgamating the 10 and 13mm systems.

- Total systems reduced to eight

New Numbering System

In order to clearly differentiate between the earlier systems and the new NZS3604:2011 compliant systems, we have produced a new numbering system:

- Simpler and easier to learn and understand for the designer, engineer, building official and installer
- Reduce likelihood of mixing previous version with newer ones

Elephant Plasterboard QuickBrace® Bracing Calculator

The Calculator provide a number of special features that will assist the designers and engineers to comply to the new rules of NZS3604:2011.

The new re-evaluated Elephant Plasterboard bracing performance tables are incorporated making the software fully NZS3604:2011 compliant.

We strongly recommend the use of the Jan 2012 Quickbrace® Microsoft Excel calculator. (Please discontinue use of any earlier versions).

The NZS 3604:2011 compliant tool can be downloaded from our web site <http://www.elephantplasterboard.co.nz> or you can request a copy by phoning **0800 ELEPHANT (353 742)**. Training is available on request.

Appraisal

The bracing ratings published in this document have been obtained by independent testing and opinions sourced from organisations with accredited quality assurances, then re-evaluated to comply with NZS3604:2011 and BRANZ P21 (2010) Test Method.

An independent appraisal of the new performance table will be made available in mid February.

New Elephant Plasterboard Quickbrace® Systems 2012 Bracing Manual

A comprehensive and detailed technical manual will be made available sometime after February 2012.

Key Benefits

- Large head bracing fasteners not required
- All systems start at 400mm wide
- Condensed number of Bracing Systems
- Simpler and easier Numbering System

QuickBrace® Numbering System

E H M S c

Elephant Plasterboard Systems

H = Denotes that the system requires Panel Hold Downs.

N = Denotes No Panel Hold Downs in the system.

Identifies the type of board and if the system is single or double sided. For example:

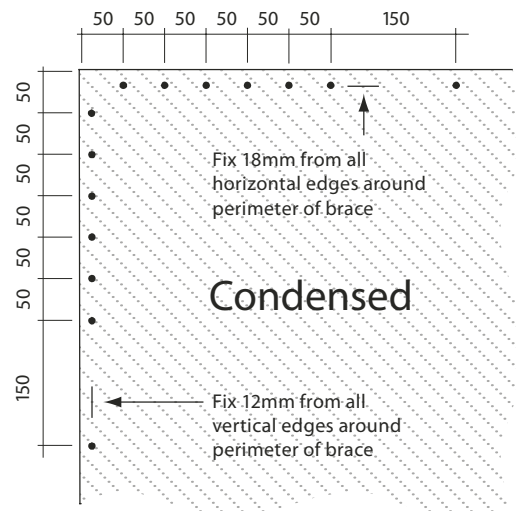
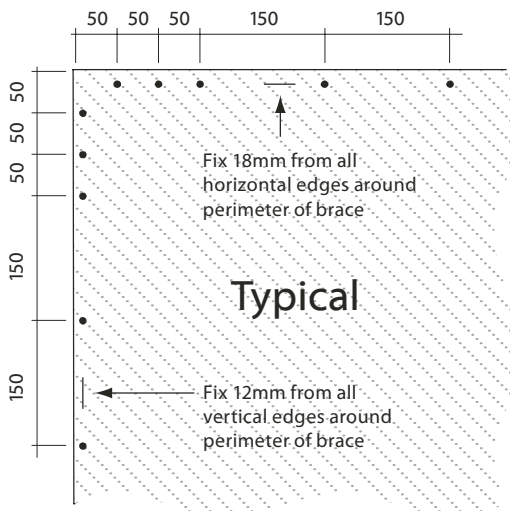
M = Multiboard one side;

MS = Multiboard one side, Standard Plasterboard on the other

c = Denotes that the system requires the Condensed Braced Corner Fixing Pattern.

No "c" = Typical Corner Pattern.

QuickBrace® Pattern Types



QuickBrace[®] Performance Table

System Number	Wall Type	Length (m)	BU/m		Panel Hold-down	Corner Pattern
			W	EQ		
ENS	Elephant Standard-Plus one side	0.4	65	65	No	Typical
		0.8	70	65		
		1.8	85	70		
ENSS	Elephant Standard-Plus both sides	0.4	75	65		
		0.8	80	70		
		2.4	100	75		
EHSc	Elephant Standard-Plus one side	0.4	85	80	Yes	Condensed
		0.8	105	90		
		1.8	120	90		
EHSSc	Elephant Standard-Plus both sides	0.4	100	115		
		0.8	145	135		
		1.2	150	145		
EHSPc	Elephant Standard-Plus one side Plywood on the other	0.4	105	120		
		0.6	130	140		
		0.8	150	150		
EHMc	Elephant Multiboard one side	0.4	90	105	Yes	Condensed
		0.8	130	120		
		1.2	150	125		
EHMSc	Elephant Multiboard one sides and Standard-Plus on the other	0.4	105	115		
		0.8	150	140		
		1.2	150	150		
EHMPc	Elephant Multiboard one side Plywood on the other	0.4	115	125		
		0.6	135	140		
		0.8	150	150		

NB: The Elephant QuickBrace[®] Numbering System and the sub components thereof are protected by copyright.

MS Excel Bracing Calculator



A Microsoft Excel spreadsheet calculator can be downloaded to utilise the above performance table.

For more information visit <http://www.elephantplasterboard.co.nz/>