

FrameFit Packer

The ECKO FrameFit Packer is engineered to keep timber frames raised above the slab to ensure frames absorb less moisture and pass inspection quicker. Designed with builders and Frame & Truss plants in mind, it offers a compliant solution that cover the majority of timber building scenarios.



FEATURES & BENEFITD

- **European Engineered:** Prevents timber frames sitting in water and absorbing moisture, reducing the risk of swelling, warping, and failing pre-line inspection. Can save builders 2-4 weeks onsite waiting for bottom plates to dry out.
- **Fully Compliant:** Rigorously tested by BRANZ to meet NZ standards, giving you peace of mind on every build. Tested for UV exposure, compression, bracing and fire.
- **Insulated Slab Compatible:** Seamlessly integrates with insulated slabs, ensuring thermal performance without compromise. Specified by Firth HotEdge.
- **No Plywood Needed for Fire Walls:** Simplifies compliance with fire-rated walls—no additional packers required.
- **Can Compensate for Irregular slab Edge:** Allows more tolerance for non-straight slabs, saving time and reducing rework on-site.
- **Safer to Install:** Design guides staple nose and does not allow staple nose to slip.

FrameFit Packer	
COMPLIANCE  BRANZ Appraised Appraisal No. 1292	Approved for Firth Hot Edge Compatible with insulated slabs.
	Tolerance for slab mis-alignment.
	Doesn't require plywood packer on fire walls.
PLEASE NOTE ECKO FASTENING SOLUTIONS accept no liability if ECKO FrameFit are not used in as per instructed. Any application not covered in our instruction manual will require specifically engineered design from a registered engineer.	



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Introduction

The FrameFit has been designed to lift timber frames 12mm above the floor, reducing the likelihood of bottom plates being impacted by moisture. The FrameFit can be used with both timber and concrete foundations and has been specifically designed to cater for insulated slab foundations.

The Key Benefits of Using FrameFit are:

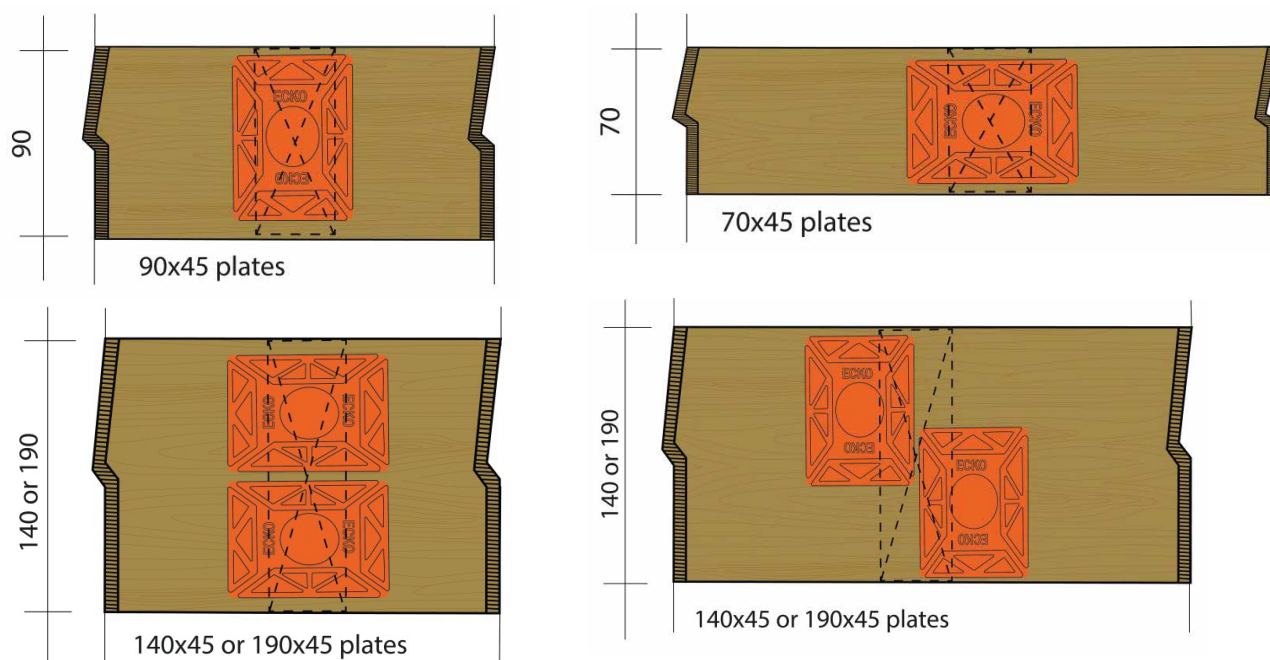
- Reduce time waiting for bottom plates to dry out (NZS3604 maximum moisture content of timber)
- No DPC required
- Future proofs framing from minor leaks/flooding
- High strength stable material (polypropylene) used in manufacture.

Installation

FrameFit are installed prior to standing frames and for ease onsite it is recommended that they are installed in the manufacturing facility (ie frame and truss plant). FrameFit can also be installed onsite.

- FrameFit are installed to the underside of bottom plates directly under stud locations.
- The number of FrameFit should be in line with the number of studs
- FrameFit can be fixed to the bottom plate with a Q series staples, SW series staples, 50x2.8mm flat head nail or 2x 32mm brads.

ECKO recommend the following FrameFit orientations:



FIXING BOTTOM PLATES

Concrete Floors:

External walls - ECKO recommend the use of M10x150mm ECKO screw bolt (blue head) or M10x155 Ecko screw bolt (orange head) for insulated slabs.

Internal walls - ECKO recommend the use of M10x150mm ECKO screw bolt (blue head).

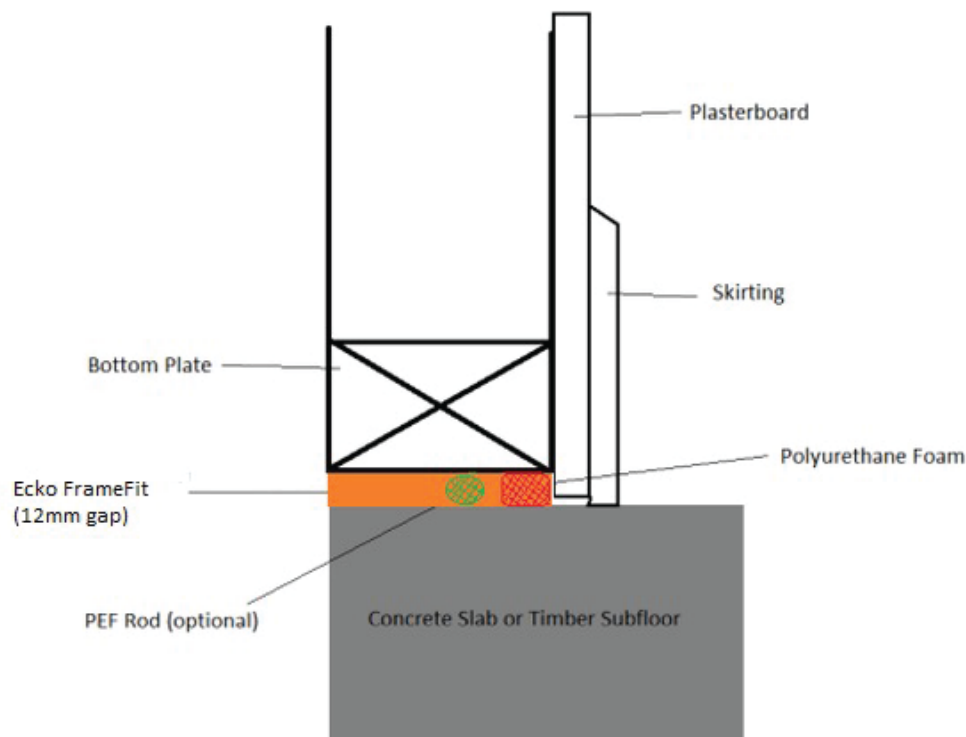
Timber Floors:

- Frames installed on sub-floors and mid-floors can both use FrameFit.
- Frames can be secured using a 14Gx125mm type 17 screw at a maximum 600crs. ECKO recommend the use of T-REX17® screws
- Screws must be fixed into midfloor boundary member, joist/beam or nog.
- Screws should be located as close to stud locations as possible.

Insulation

With the use of FrameFit the 12mm gap between the slab/substrate and bottom-plate is required to be sealed on exterior frames to ensure a thermally efficient building envelope.

Air seals must be installed to all exterior frames when using FrameFit. In addition, PEF backing rod can be installed to assist with the installation of the foam*.

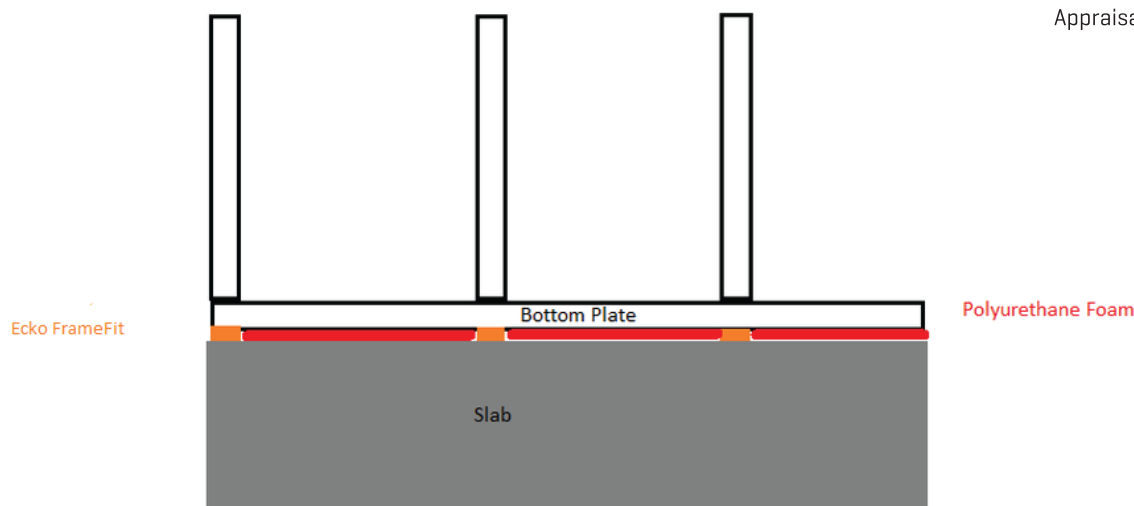


*The air-seal must be a self-expanding polyurethane foam complying with NZBC Acceptable Solution E2/AS1, paragraph 9.1.6© or covered by a valid BRANZ Appraisal.





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Note: for direct fix cladding, polyurethane foam would be installed in the gap on the outside of the frame, rather than the inside (pictured above)

Fire Wall Details

FrameFit have been tested by BRANZ and have been found not to reduce the effectiveness of commonly used fire wall systems in NZ (GIB, Korok, Elephant board, Resene). Please see website for a full list of compliant fire walls as per BRANZ Appraisal.

GIB® Systems	Wall lining	FRR
GIB® Fire Rated Timber Framed Walls		
GBTL30	1 x 10 mm GIB Fyrelite®	30/30/30
GBTL 30b	1 x 13 mm GIB® Standard	30/30/30
GBTL 30c	1 x 10 mm GIB® Standard	30/30/30
GBTL 60	1 x 13 mm GIB Fyrelite®	60/60/60
GBTL 60b	2 x 10 mm GIB Fyrelite®	60/60/60
GBTL 90	1 x 16 mm GIB Fyrelite®	90/90/90
GBT 120a	2 x 13 mm GIB Fyrelite®	-/120/120
GBTL 120	2 x 16 mm GIB Fyrelite®	120/120/120
GIB® Fire Rated Timber Framed Universal Walls		
GBUW 15	1 x 13 mm GIB® Standard	15/15/15
GBUW 30a	1 x 16 mm GIB Fyrelite®	30/30/30
GBUW 30b	2 x 10 mm GIB Fyrelite®	30/30/30
GBUW 60	2 x 13 mm GIB Fyrelite®	60/60/60
GBUW 90	1 x 16 mm GIB Fyrelite® + 1 x 19 mm GIB Fyrelite®	90/90/90
GBUW 120	2 x 19 mm GIB Fyrelite®	120/120/120


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GIB® Noise Control Fire Rated Timber Framed wall Systems		
GBTLA 30a	2 x 10 mm GIB® Standard	30/30/30
GBTLA 30b	Side 1: 1 x 10 mm GIB Braceline®/GIB Noiseline® Side 2: 2 x 10 mm GIB Braceline®/GIB Noiseline®	30/30/30
GBTLA 45r GBTLIC 45	2 x 13 mm GIB® Standard	45/45/45
GBTLA 60	2 x 10 mm GIB Fyrelime®	60/60/60
GBTLA 60r GBTLIC 60	2 x 10 mm GIB Braceline®/GIB Noiseline®	60/60/60
GBTLIC 60a	Side 1: 1 x 13 mm GIB Braceline®/GIB Noiseline® Side 2: 2 x 13 mm GIB Braceline®/GIB Noiseline®	60/60/60
GBTLA 90c	2 x 13 mm GIB Fyrelime®	90/90/90
GBTLA 90d	2 x 13 mm GIB Braceline®/GIB Noiseline®	90/90/90
GBTLA 90r	2 x 13 mm GIB Fyrelime®	90/90/90
GIB® Noise Control Central Barrier fire rated wall systems		
GBTLAB 60a	2 x 10 mm GIB Fyrelime® + GIB® Barrierline	60/60/60
GBTLAB 60b	1 x 10 mm GIB Braceline®/GIB Noiseline® + GIB® Barrierline	60/60/60
GBTLAB 60c	1 x 13 mm GIB Braceline®/GIB Noiseline® + GIB® Barrierline	60/60/60
GBTLAB 60d	1 x 13 mm GIB® Standard + GIB® Barrierline	60/60/60
GIB® Weatherline® fire rated wall systems – two way exposure		
GWTLE 30	Interior: 10 mm GIB Fyrelime® Exterior: 10 mm GIB Weatherline®	30/30/30
GWTLE 60a	Interior: 13 mm GIB Fyrelime® Exterior: 13 mm GIB Weatherline®	60/60/60
GWTLE 60b	Interior: 13 mm GIB Fyrelime® Exterior: 2 x 10 mm GIB Weatherline®	60/60/60
GWTLP 30	Interior: 10 mm GIB Weatherline® Exterior: 10 mm GIB Weatherline®	30/30/30
GWTLP 60	Interior: 13 mm GIB Weatherline® Exterior: 13 mm GIB Weatherline®	60/60/60



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Elephant Plasterboard System	Sub system	Wall lining	FRR
Elephant Plasterboard Fire Rated Timber Framed wall Systems			
E2TL30	-S20	1 x 10 mm EPB Standard	
	-F20	1 x 10 mm EPB FireSmart	
	-S26	1 x 10 mm EPB Standard	
E4TL45	-S40	2 x 10 mm EPB Standard	45/45/45
E4T60	-S40	2 x 10 mm EPB Standard	-/60/60
E2TL60	-F26	1 x 13 mm EPB FireSmart	60/60/60
E4TL60	-F40	2 x 10 mm EPB FireSmart	60/60/60
	-S46	1 x 10 mm EPB Standard + 1 x 13 mm EPB Standard	
	-MS40	1 x 10 mm EPB Standard + 1 x 10 mm EPB MultiSmart	
	-S52	2 x 13 mm EPB Standard	
E2TL75	-F32	1 x 16 mm EPB FireSmart	75/75/75
E4T90	-FS52	1 x 13 mm EPB FireSmart + 1 x 13 mm EPB Standard	-/90/90
	-FM46	1 x 13 mm EPB FireSmart + 1 x 10 mm EPB MultiSmart	
E4TL90	-F52	2 x 13 mm EPB FireSmart	90/90/90
E4T105	-F52	2 x 13 mm EPB FireSmart	-/105/105
E4T120	-F58	1 x 16 mm EPB FireSmart + 1 x 13 mm EPB FireSmart	-/120/120
E6TL120	-F78	3 x 13 mm EPB FireSmart	120/120/120
EBV1TL30	-F10	1 x 10 mm EPB FireSmart one side Brick Veneer other side	30/30/30
	-S13	1 x 13 mm EPB Standard one side Brick Veneer other side	
EBV1TL60	-F13	1 x 13 mm EPB FireSmart one side Brick Veneer other side	60/60/60
Elephant Plasterboard Fire Rated Timber Framed Universal wall Systems			
E1UW15	-S13	1 x 13 mm EPB Standard	15/15/15
E1UW30	-F16a	1 x 13 mm EPB FireSmart	30/30/30
E2UW30	-F20	2 x 10 mm EPB FireSmart	30/30/30
E2UW45	-F26	2 x 13 mm EPB FireSmart	45/45/45
E2UW60	-F26a	2 x 13 mm EPB FireSmart	60/60/60
	-F29	1 x 16 mm EPB FireSmart + 1 x 13 mm EPB FireSmart	
E3UW90	-F39a	3 x 13 mm EPB FireSmart	90/90/90
	-F42	1 x 16 mm EPB FireSmart 2 x 13 mm EPB FireSmart	
E3UW10	-F45a	1 x 13 mm EPB FireSmart 2 x 16 mm EPB FireSmart	120/120/120


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Elephant Plasterboard Fire Rated Timber Framed Universal wall Systems			
E1UW15	-S13	1 x 13 mm EPB Standard	15/15/15
E1UW30	-F16a	1 x 13 mm EPB FireSmart	30/30/30
E2UW30	-F20	2 x 10 mm EPB FireSmart	30/30/30
E2UW45	-F26	2 x 13 mm EPB FireSmart	45/45/45
E2UW60	-F26a	2 x 13 mm EPB FireSmart	60/60/60
	-F29	1 x 16 mm EPB FireSmart + 1 x 13 mm EPB FireSmart	
E3UW90	-F39a	3 x 13 mm EPB FireSmart	90/90/90
	-F42	1 x 16 mm EPB FireSmart 2 x 13 mm EPB FireSmart	
E3UW10	-F45a	1 x 13 mm EPB FireSmart 2 x 16 mm EPB FireSmart	120/120/120

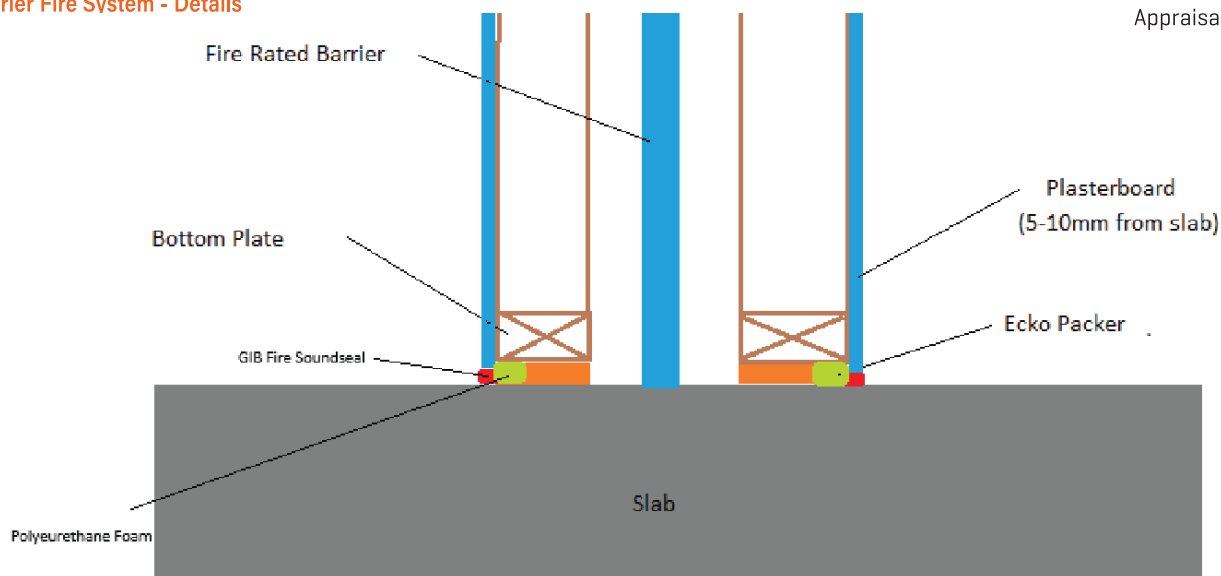
INTEGRA® Systems	Wall lining	FRR
INTA120a	1 x 10 mm plasterboard	120/120/120
INTA120b	1 x 13 mm plasterboard	120/120/120
INTA120c	2 x 10 mm plasterboard	120/120/120
INTA120d	1 x 10 mm Noise Rated plasterboard	120/120/120
INTA120e	1 x 13 mm Noise Rated plasterboard	120/120/120

KOROK® System	Wall lining	FRR
KIT01, KIT01 modified	KOROK® 51 mm panel, 1 x 10 mm GIB® Standard plasterboard	60/60/60
KIT02	KOROK® 51 mm panel, 1 x 10 mm GIB® Standard plasterboard + 1 x 10 mm Noiseline® to the other side	60/60/60
KIT01A	KOROK® 51 mm panel, 1 x 10 mm GIB® Standard plasterboard	60/60/30
KIT03	KOROK® 51 mm panel, 1 x 10 mm Noiseline® to the other side	60/60/60
KIT04	KOROK® 51 mm panel, 1 x 13 mm GIB Noiseline® plasterboard	60/60/60
KIT05	KOROK® 51 mm panel, 1 x 13 mm GIB® Standard plasterboard	60/60/60
KIT06	KOROK® 78 mm panel, 1 x 10 mm GIB® Standard plasterboard	120/120/120
KIT06A	KOROK® 78 mm panel, 1 x 10 mm GIB® Standard plasterboard	120/120/60
KIT07	KOROK® 78 mm panel, 1 x 10 mm GIB® Standard plasterboard + 1 x 10 mm Noiseline® to the other side	120/120/120
KIT08	KOROK® 78 mm panel, 1 x 10 mm GIB Noiseline® plasterboard + 1 x 10 mm Aqualine® to the other side	120/120/120
KIT09	KOROK® 78 mm panel, 1 x 13 mm GIB Noiseline® plasterboard + 1 x 13 mm Aqualine® to the other side	120/120/60
KIT10	KOROK® 78 mm panel, 1 x 13 mm GIB® Standard plasterboard	120/120/120

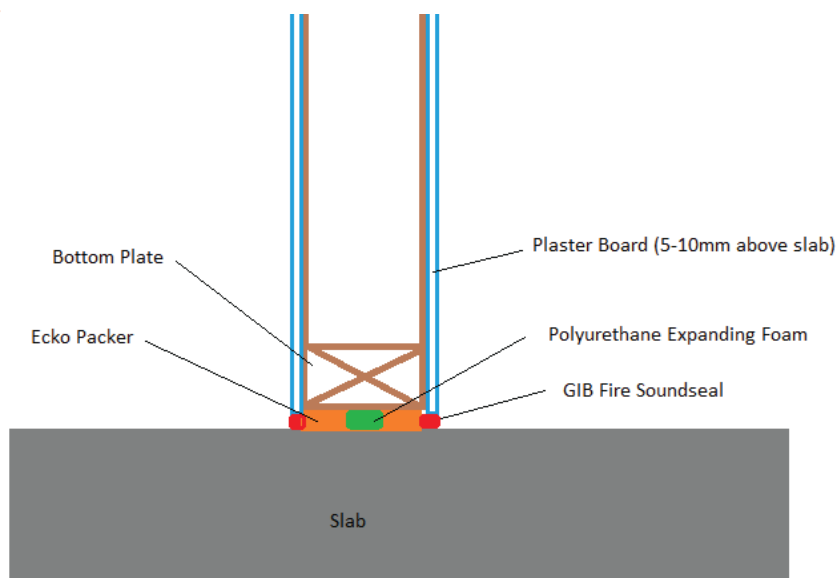


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Barrier Fire System - Details



Fire Cell Systems - Details



NOTE

- Plasterboard to be held up 5-10mm above slab/substrate.
- GIB Fire Soundseal (or engineer specified sealant) to be installed between plasterboard and slab/substrate in addition to standard details (ie polyurethane foam).

NO PLYWOOD PACKER IS REQUIRED ON SPECIFIED FIRE WALLS