

# FAR 4552 C1 Issue 2

## Technical Opinion Summary



This is to certify that the specimen described below has been examined by BRANZ on behalf of the sponsor.

### Sponsor

Resene Construction Systems  
10B Abros Place  
Burnside  
Christchurch  
New Zealand

**Reference BRANZ Reports** FAR 4552 Issue 2

**Referenced Standard** AS1530.4-2005/2014

**Specimen Name:** Integra Lightweight Concrete Façade Systems

**Specimen Description:** Loadbearing timber or steel framed wall system with 50 mm or 75 mm Integra Panels on one face and GIB® plasterboard linings on the other face as given below.

**Orientation:** Exposure from either side

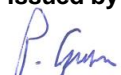
### The assessed results were as follows:

Framing	GIB® reference	Description	FRR
Timber framing	GBTL 15	1 x 10 mm GIB® Standard	15/15/15
	GBTL 30	1 x 10 mm GIB Fyrelime®	30/30/30
	GBTL 60	1 x 13 mm GIB Fyrelime®	60/60/60
	GBTL 90	1 x 16 mm GIB Fyrelime®	90/90/90
	GBTL 120	2 x 16 mm GIB Fyrelime®	120/120/120
Steel framing	GBSL 15	1 x 13 mm GIB® Standard	15/15/15
	GBSL 30a	1 x 16 mm GIB Fyrelime®	30/30/30
	GBSL 30b	2 x 10 mm GIB Fyrelime®	30/30/30
	GBSL 60a	1 x 19 mm GIB Fyrelime®	60/60/60
	GBSL 60b	2 x 13 mm GIB Fyrelime®	60/60/60
	GBSL 90	1 x 16 mm GIB Fyrelime® + 1 x 13 mm GIB Fyrelime®	90/90/90
	GBUW 120	2 x 19 mm GIB Fyrelime®	120/120/120

It is also considered the following variations would not prejudice the fire resistance of the wall system:

- Stainless steel fasteners securing the Integra panel to the framing with minimum of three 14g x 100 mm to each stud.
- Any underlay complying with the requirements of the New Zealand Building Code documents C/AS1 and C/AS2 for Fire Safety
- Any insulation within the timber framing as specified by Winstone Wallboards for fire rated systems.
- Reduction in stud spacing from maximum of 600 mm centres.  
Increase in stud dimensions i.e. from 90 mm x 45 mm to 140 mm x 45 mm for timber framed walls or 64 mm to 76 mm studs for steel framed walls.
- The Integra panels may be mounted on 20 mm or 40 mm thick timber battens

### Issued by

  
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BRANZ

### Issue Date

15 April 2021

### Reviewed by

  
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### Expiry Date

15 April 2026

Regulatory authorities are advised to examine the Technical Opinion FAR 4552 Issue 2 before approving any product.