

FC16525 C1-1

Technical Opinion Summary



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

Sponsor

Winstone Wallboards Ltd
37 Felix Street
Penrose
Auckland 1061
New Zealand

Reference BRANZ Reports FC16525-01-1

Referenced Standard AS1530.4-2005/2014

Specimen Name: GIB® Fire Rated Protected Steel Penetrations in GIB® Fire Rated Walls or concrete/masonry fire rated walls.

Specimen Description: Winstone Wallboards Ltd fire rated timber and steel framed walls with protected steel penetrations protected 300 mm each side of the wall with the same lining as the wall (universal walls 600 mm on lined side), packed with mineral fibre insulation along the protected length and any gaps sealed with GIB Fire Soundseal®. Minimum steel section 64 mm x 0.5 mm thick steel stud or similar. The maximum section thickness shall not exceed 20 mm for FRRs up to and including 60 minutes, and 10 mm for FRRs of 90 and 120 minutes.

Orientation: Two way walls - Exposure from either face

The assessed results were as follows:

GIB® Systems	Wall FRR	Penetration FRR
Steel Framed Wall Systems		
GBSL 15	15/15/15	-/15/15
GBS 30, GBSA 30b, GBSA 30s, GBQSA 30	-/30/30	-/30/30
GBSL 30a, GBSL 30b,	30/30/30	-/30/30
GBSA 45, GBQSA 45	-/45/45	-/45/45
GBS 60, GBSA 60c, GBQSA 60, GBQSA 60a, GWSE 60, GWSP 60	-/60/60	-/60/60
GBSL 60a, GBSL 60b	60/60/60	-/60/60
GBS 90, GBS 90b, GBSA 90c, GBSA 90d, GBSA 90s, GBQSA 90	-/90/90	-/90/90
GBSL 90	90/90/90	-/90/90
GBS 120, GBS 120a, GBS 120b, GWSE 120	-/120/120	-/120/120
Timber Framed Wall Systems		
GBTL 30, GBTL 30b, GBTL 30c, GBTLA 30a, GBTLA 30b, GWTLE 30, GWTLP 30	30/30/30	-/30/30
GBTL 60, GBTL 60b, GBTLA 60, GWTLE 60a, GWTLE 60b, GWTLP 60	60/60/60	-/60/60
GBTL 90, GBTLA 90c, GBTLA 90d	90/90/90	-/90/90
GBT 120a, GBT 120b, GWTE 120	-/120/120	-/120/120
GBTL 120	120/120/120	-/120/120
Universal Wall Systems (Protected 600 mm from lined face)		
GBUW 15	15/15/15	-/15/15
GBUW 30a, GBUW 30b	30/30/30	-/30/30
GBUW 60	60/60/60	-/60/60

Issued by

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Regulatory authorities are advised to examine the Technical Opinion report FC16525-01-1 before approving any product.

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Expiry Date

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