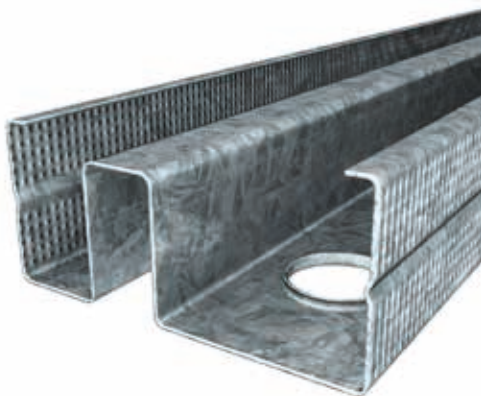


88

NEW:
QUIET STUD® 0.75BMT



The JUDAH QUIET STUD® will now be available in a medium 0.75BMT gauge, as originally introduced in the Judah Acoustic Manual.

The increased metal thickness will allow for greater wall heights. >>



Judah® Steel
A VISION IS BORN

www.Judah-Steel.com

Judah QUIET STUD® 0.75BMT

Judah has now introduced a 0.75bmt version of our QUIET STUD® which allows for greater wall heights whilst still achieving the minimum acoustical code requirements in both Australia and New Zealand. Originally referenced in the Judah Acoustic Manual (page 12) it was tested to meet NCC requirements of RW50 and $R_w + C_{tr} 50$ for Continuous Construction in Class 1, 2 & 3 buildings and $R_w 45$ for Class 9c. The increased metal thickness allows for higher walls without the loss of acoustic efficiency by using two layers of 13mm fire rated plasterboard on both sides, infilled with 100mm Glasswool Insulation at 14 kg/m². The new QUIET STUD® 0.75BMT (product code RQ75) is available as a special order in 2700, 3000, 3600 and 4800mm lengths, and lead times and minimum order quantities may apply. Note that both the 0.55 and 0.75bmt QUIET STUD® can be used with Judah's new FAST-FIX Nogging®. To find out more, visit our website or call 1300 36 7663 to speak with your Judah Technical Sales Representative.

TABLE 1: Maximum Wall Heights L/240 Deflection Limit

PLASTERBOARD	92 x 0.55BMT				92 x 0.75BMT			
	STUD CENTRES							
	300	400	450	600	300	400	450	600
1 x 10mm Both Sides	4510	4160	4020	3700	5310	4930	4780	4430
1 x 13mm Both Sides	4830	4530	4410	4130	5770	5450	5330	5020
1 x 16mm Both Sides	5010	4700	4580	4300	6030	5710	5580	5250
2 x 10mm Both Sides	4510	4160	4020	3700	5310	4930	4780	4430
2 x 13mm Both Sides	4830	4530	4410	4130	5770	5450	5330	5020
2 x 16mm Both Sides	5010	4700	4580	4300	6030	5710	5580	5250

TABLE 2: Maximum Wall Heights L/360 Deflection Limit

PLASTERBOARD	92 x 0.55BMT				92 x 0.75BMT			
	STUD CENTRES							
	300	400	450	600	300	400	450	600
1 x 10mm Both Sides	4000	3720	3600	3340	4720	4420	4300	4010
1 x 13mm Both Sides	4270	4020	3920	3700	5110	4850	4750	4510
1 x 16mm Both Sides	4440	4190	4100	3870	5360	5100	5000	4740
2 x 10mm Both Sides	4000	3720	3600	3340	4720	4420	4300	4010
2 x 13mm Both Sides	4270	4020	3920	3700	5110	4850	4750	4510
2 x 16mm Both Sides	4440	4190	4100	3870	5360	5100	5000	4740

NOTES:

1. Deflection limited to H/240 or H/360 as applicable, to a maximum of 30mm at 0.25kPa, in accordance with the BCA Specification C1.8.
2. Maximum wall heights refer to the structural capacity only, and may be reduced for fire rated applications. Refer to your plasterboard manufacturer for details.
3. Maximum heights should be referred back to Judah when additional load is to be placed on the wall. The above tables only include self-weight plus linings, additional loads requires separate consideration by Judah.
4. Lateral loadings: a. Pultimate = 0.375kPa b. Pservice = 0.25kPa
5. The above details are not suitable for external applications.
6. Walls analysed in accordance with AS/NZS4600:2005.
7. Reducing the stud centres, and changing the gauge of the QUIET STUD® may affect the acoustic rating of the wall. Refer to your plasterboard manufacturer for details.

8. BMT = Base Metal Thickness.
9. Minimum 0.70bmt Deflection Head Track.
10. Base track gauge may be the same as the wall stud.

QUIET STUD® WALLS LINED BOTH SIDES

Only the FAST-FIX Nogging® can be installed into a QUIET STUD® wall, using the tab and 3 screws method. It is also imperative that the Nogging is only installed onto the side of the stud adjacent to the widest element of the web as shown to prevent potential bridging of the QUIET STUD®.

