

# 5.2 SRP™ WHISPERWALL™ INFORMATION AND SPECIFICATIONS

The SRP™ Whisperwall™ Stud wall [FIGURE 9] has been developed and manufactured to provide superior acoustic properties with additional fire rated properties in interior wall construction. It provides significant advantage over staggered SRP™ Stud walls [FIGURE 10] in installation and is test verified for superior acoustic results. For more information refer to the **SRP™ WHISPERWALL™ SECTION** and the relevant detail in each section of this Product Catalogue, as applicable.

SRP™ Whisperwall™ is configured in 92mm x 42mm from 0.55mm BMT GALVSTEEL® coil manufactured by New Zealand Steel, whenever possible. SRP™ Whisperwall™ Stud is backed by a 50 year Durability Statement to demonstrate compliance with NZBC Clause B2-Durability, when used and maintained as described in the current New Zealand Steel Durability Statement.

In laboratory testing the SRP™ Whisperwall™ Stud Wall achieved an STC 52, STC 58 and STC 62 rating. Refer to **TABLE 8** for relevant GIB Noiseline® configurations.

To enable easy installation, SRP™ Whisperwall™ Studs are equipped with a generously knurled face providing a secure surface for attaching high density wall board products [see **FIGURE 1** and **FIGURE 2**].

To achieve the tested STC values for SRP™ Whisperwall™, install Pink® Batts® Silencer glasswool acoustic insulation R1.8 [75mm]\* between the SRP™ Whisperwall™ Studs. Cut the width of the Pink® Batts® to suit SRP™ Whisperwall™ Stud centres and ensure the insulation is expanded to fill the cavity.

No SRP™ Continuous Nog Tracks or spliced SRP™ Studs are to be used in SRP™ Whisperwall™ Stud Walls, as doing so will compromise the tested STC values.

For plasterboard lining, fastening, acoustic sealant and/or jointing [stopping] details refer to GIB® Noise Control Systems March 2006, GIB® Fire Rated Systems October 2012 and this SRP™ Design Handbook.

\*SRP™ Whisperwall™ has been tested using Pink® Batts® Silencer glasswool acoustic insulation R1.8 [75mm], other acoustic insulation with properties equal or better may also be used once verified by an acoustic engineer.

TABLE 8

SRP™ WHISPERWALL™ SOUND TRANSMISSION CLASS [STC] AND FIRE RESISTANCE RATINGS [FRR]			
STC*	Rw [dB]	FRR**	Material used
Sound Transmission Class	Weighted Sound Reduction Index	Fire Resistance Rating	GIB Noiseline® Wall Lining - see specification below 75mm Pink® Batts® Silencer GIB® Soundseal for joint filler and perimeter sealant
STC 52	Rw 51	-/60/60	One layer of 13mm GIB Noiseline® on both sides
STC 58	Rw 57	-/60/60	One outer layer of 10mm GIB Noiseline® on one side only One inner layer of 13mm GIB Noiseline® on both sides
STC 62	Rw 61	-/60/60	One outer layer of 10mm GIB Noiseline® and One inner layer of 13mm GIB Noiseline® on both sides

NOTES: Values obtained by Laboratory Measurement of Airborne Sound insulation of building elements carried out by an Independent Laboratory: Acoustic Testing Services of Auckland UniServices Ltd, **Test Report T1406** dated 21st March 2014 using the specified materials and installed in accordance with:

\* GIB® Noise Control Systems March 2006 and relevant SRP™ Design Handbook and

\*\* GIB® Fire Rated Systems Oct 2012. Also see Winstone Wallboards confirmation letter dated 11th June 2014 in the **COMPLIANCE SECTION** of SRP™ Design Handbook.

FIGURE 9

SRP™ Whisperwall™ STC 52, STC 58 and STC 62 Configuration

