



30a Renewable Chase

Bibra Lake

WA 6163

info@sipsindustries.com.au

www.sipsindustries.com.au

To Whom It May Concern:

RE: Sound Transmission of Sips Industries SIPs

Sips Industries publishes information concerning the sound transmission of Sips Industries Structural Insulated Panels (SIPs) The testing for this information was conducted in accordance with ASTM E-90,

This table is intended to describe the decibel (dB) loss of sound through the Sips Industries SIP wall. The wall in question is a Sips Industries SIP with two layers 15mm plasterboard attached to one side. The opposite side has one layer of 15mm plasterboard attached a resilient channel using self tapping Screws The transmission loss data is as follows for "Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions.":

Frequency (Hz)	Transmission Loss (dB)	Frequency (Hz)	Transmission Loss (dB)
125	31	800	61
160	31	1000	66
200	36	1250	69
250	39	1600	71
315	42	2000	68
400	45	2500	67
500	51	3150	70
630	56	4000	71



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This table is intended to describe the decibel (dB) loss of sound through the Sips Industries SIP wall. The wall in question is a Sips Industries SIP with one layer 12.5mm plasterboard attached to one side. The transmission loss data is as follows for "Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions."

The transmission loss data is as follows:

Frequency (Hz)	Transmission Loss (dB)	Frequency (Hz)	Transmission Loss (dB)
125	31	800	49
160	33	1000	52
200	25	1250	55
250	22	1600	53
315	16	2000	54
400	24	2500	51
500	37	3150	52
630	45	4000	56



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Frequency (Hz)	Transmission Loss (dB)	Frequency (Hz)	Transmission Loss (dB)
125	25	800	56
160	24	1000	59
200	21	1250	63
250	28	1600	58
315	32	2000	60
400	31	2500	56
500	43	3150	54
630	55	4000	53



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This table is intended to describe the decibel (dB) loss of sound through the Sips Industries SIP wall. The wall in question is a Sips Industries SIP with two layer 15mm plasterboard attached to either side. The transmission loss data is as follows for "Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions."

Frequency (Hz)	Transmission Loss (dB)	Frequency (Hz)	Transmission Loss (dB)
125	33	800	43
160	27	1000	48
200	28	1250	52
250	27	1600	58
315	26	2000	56
400	29	2500	56
500	36	3150	60
630	41	4000	65