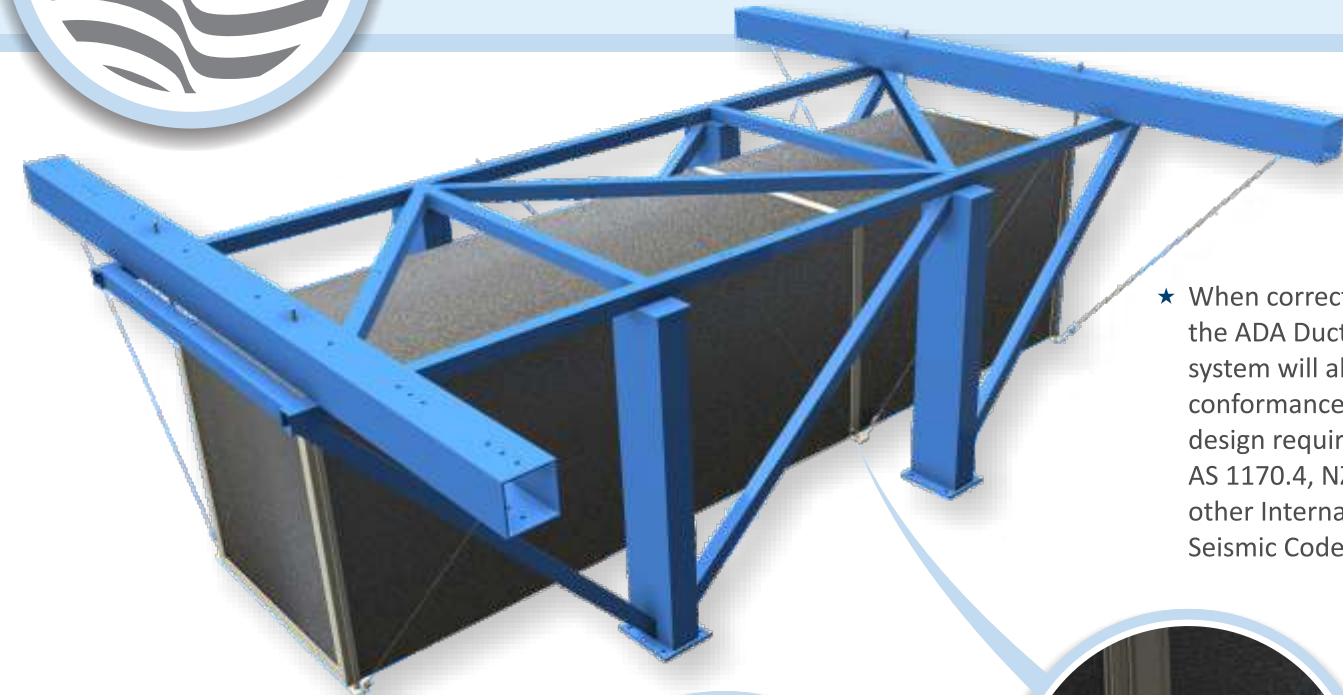




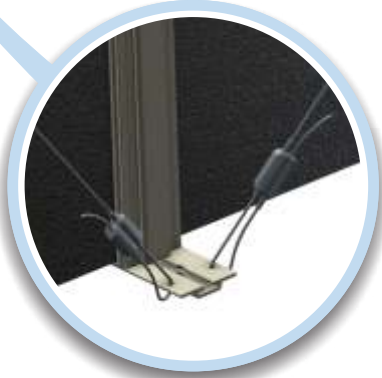
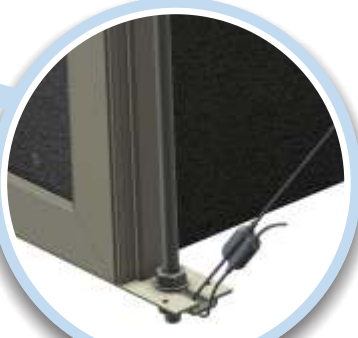
ADA Ductboard™ Seismic



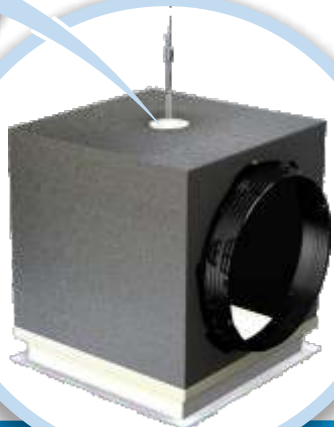
- ★ When correctly designed, the ADA Ductboard™ system will allow conformance to the design requirements of AS 1170.4, NZS 4219 and other International Seismic Codes

- ★ Various ADA Ductboard™ fabrications and recommended suspension methods were successfully tested using AS 60068.3.3 *Environmental testing: Guidance - Seismic test methods for equipment*. This standard details the test method for seismically testing ductwork fabrications.

- ★ All configurations were tested to Performance Level III with horizontal accelerations of 15 m/s² to a maximum of 16Hz



- ★ Ductboard Support Plates used in conjunction with a special M8 threaded rod and CADDY® Speed Link System suspends Cushion Head Boxes for seismic applications



ADA Ductboard™ Suspension Systems, Acoustic Data & Test Report Summary

CADDY® SPEED LINK SYSTEM

- ★ ADA recommends the CADDY® Speed Link System for ductwork suspension
- ★ For seismic applications the SLK parts shown have been tested and approved
- ★ Systems include locking device, flexible wire rope, and various specialty end fittings
- ★ A complete range of CADDY® parts and accessories are available for other general ductwork suspension applications

ACOUSTIC DATA

- ★ Testing of the attenuation provided by ADA Ductboard™ was undertaken in accordance with the requirements as outlined in the standard ANSI E477-13: *Standard Test Method for Laboratory Measurements of Acoustical and Airflow Performance of Duct Liner Materials and Prefabrication Silencers*
- ★ Relevant test results are summarized below

Additional attenuation - 3m length of 40mm duct

Cross-section	Octave Band Centre Frequency, Hz							
	63	125	250	500	1K	2K	4K	8K
200 x 300	11.5	6.2	15.2	16.5	15.9	9.2	8.9	4
300 x 600	-2.4	8.1	7.6	5.8	4.9	2.3	5.7	2.6
600 x 900	2.8	10.9	4.5	4.7	3.2	1.8	4.4	1.9

TEST REPORT SUMMARY

AS/NZS 1530.3 Simultaneous determination of Ignitability, Flame Propagation, Heat Release and Smoke Release

Tested by AWTA Product Testing

- Test Number 7-586221-CS (20mm)
- Test Number 7-596666-CS (25mm)
- Test Number 7-589133-CS (30mm)
- Test Number 7-595610-CS (40mm)
- Test Number 7-595599-CS (65mm)

AS/NZS 4859.1 Materials for the Thermal Insulation of Buildings Part 1: General criteria and technical provisions

Tested by CSIRO Materials Science and Engineering in accordance with ASTM C 518 *Standard Test Method for Steady-State Heat Flux Measurements and Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus*.

- CMSE Report XC3117 (20mm)
- CMSE Report XC3192 (20, 25, 30, 40, 50mm)
- CMSE Report XC3242 (65mm)

SLK2C200
Locking Device



SLK2L*
Hook



SLK2L*SEM8
Threaded Stud End (8mm)



SLK2L*WA6
Wedge Anchor



* = length of pre-attached wire rope, available in various lengths

Additional attenuation - 3m length of 300mm x 600mm duct

Thickness	Octave Band Centre Frequency, Hz							
	63	125	250	500	1K	2K	4K	8K
40mm	-2.4	8.1	7.6	5.8	4.9	2.3	5.7	2.6
25mm	2.9	5.4	9.2	5.5	5.6	3.5	1	3.8

Note the negative result for 40mm at 63Hz does not indicate that this duct amplified sound, but rather, that it provided less attenuation than the unlined sheet metal against which the results are normalised.

UL 181.11 Standard for Factory-Made Air Ducts and Air Connectors

Tested by AWTA Product Testing

- Test Number 17-002142

AS 60068.3.3 Environmental testing: Guidance - Seismic test methods for equipment

Tested by EngTest Adelaide University

- Test Report C160801-RP-01_Rev1_Air Diffusion Duct Testing

ANSI E477-13: Standard Test Method for Laboratory Measurements of Acoustical and Airflow Performance of Duct Liner Materials and Prefabrication Silencers

Tested by Resonate Acoustics

- Test Report A16498RPI Revision B

Environmental

Green Star compliant

- Document Reference: QA17113-012

Safety

MSDS document reference

- MSDS PIR-PUR foam-TPI



ADA Ductboard™ System

- ★ Alternative to fabricated metal insulated ductwork
- ★ Available in thicknesses from 20-65mm
- ★ Higher R-Value rating for thinner insulation thickness
- ★ Lightweight compared to metal ductwork
- ★ Versatile - can be CNC cut to create a variety of ductwork components
- ★ Unique range of duct fittings and accessories available
- ★ Range of PVC and aluminium extrusions available to aid in fabrication & assembly of ductwork components
- ★ Excellent for use in high humidity areas
- ★ Ideal for use in sterile, clean air and hygiene controlled environments
- ★ Compliance with AS4254.2 for rigid ductwork, specifically AS/NZS 1530.3 & UL 181 burning test
- ★ Fire rating of four zero (AS/NZS 1530.3 - 1999 *Simultaneous determination of Ignitability, Flame Propagation, Heat Release and Smoke Release*)
- ★ Tested to AS60068.3.3 *Environmental testing: Guidance - Seismic test methods for equipment*
- ★ Green Star compliant
- ★ Acoustic benefits



Thickness(mm)	20	25	30	40	65
R-Value	1.0	1.2	1.5	2.0	3.0

Tested by CSIRO to AS/NZS 4859.1 *Materials for the Thermal Insulation of Buildings Part 1: General criteria and technical provisions*

