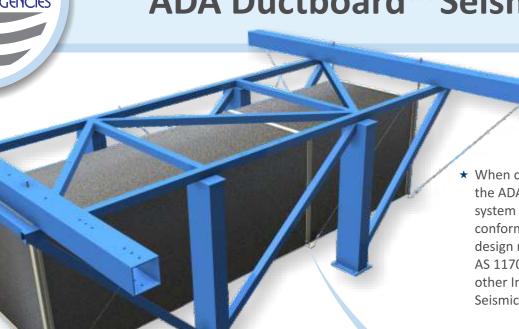


ADA Ductboard™ Seismic



★ 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

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

test method for seismically testing

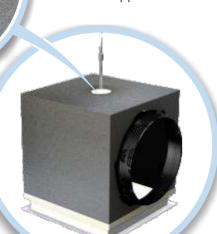
ductwork fabrications.



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



★ 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









★ 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

ACOUSTIC DATA

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

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

Thickness	Octave Band Centre Frequency, Hz							
inickness	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

amplified sound, but rather, that it provided less attenuation than the unlined sheet metal against which the results are normalised.

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)

Note the negative result for 40mm at 63Hz does not indicate that this duct

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

Green Star compliant • Document Reference: QA17I13-012

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



www.airdiffusion.com.au

ADA Ductboard™ Adaptor





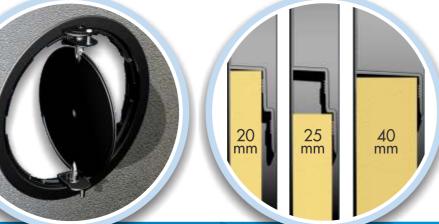


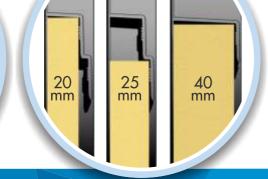
- ★ Suits 20mm, 25mm, 30mm & 40mm ADA Ductboard™ (R1, R1.2, R1.5 & R2) in any application
- ★ Uses simple EZY Y® clip-on starter collars and reducers
- ★ Options to fit adjustable damper blade
- ★ Eliminates requirement for metal fixings or silicon sealants
- ★ Made from fire retardant polymer







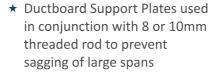




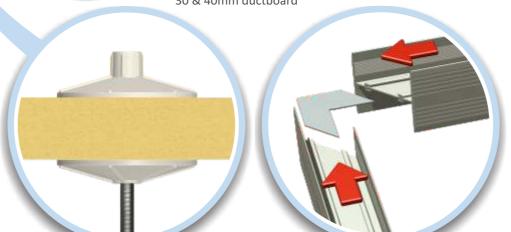
sagging of large spans ★ Many aluminium extrusions can be mitre joined with aluminium corner stakes for

DBSEA20/25/30/40 DBFEA65 DBSEA65 ★ Aluminium end capping profiles contain groove for silicon sealant or rubber/foam sealing strip DBJEA20/25/30/40 DBDE20/DBDEA20/ 25/30/40/65 DBFEA65 Capping profiles contain groove for silicon sealant DBJE40 or rubber/foam sealing DBJE20/DBJEA20/25/30 DBBEA drive cleat holds together the two capping profiles for 20, 25, 30 & 40mm ductboard

ADA Ductboard™ Accessories



ease of assembly and increased strength

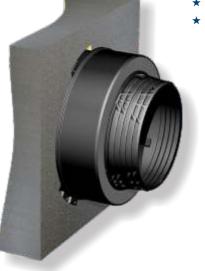




ADA Ductboard™ Accessories

INSULATED DOUBLE SPIGOT ADAPTOR

- ★ Designed to prevent cold-tracking in high humidity environments
- ★ Fits directly to Ductboard Adaptor and uses EZY Y® clip-on starter collar
- ★ Available for all flexible duct sizes from Ø150mm up to Ø400mm
- ★ Made from fire retardant polymer



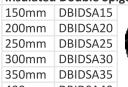


ACCESSORIES PART LIST

For 20mm Ductb	20/25/30mm Ductbo				
DBCE20	DBDE20	DBFE20	150mm	DBSA15	
<u></u>		1 1	200mm	DBSA20	
			250mm	DBSA25	
L		لــــــــــــــــــــــــــــــــــــــ	300mm	DBSA30	
DBHE20	DBHEE20	DBJE20	350mm	DBSA35	
		F	400mm	DBSA40	
		1	450mm	DBSA45	
		ш			
DBYE20	DBBEA (Alu)	40mm D	uctboard Ad		
	F		150mm	DBSA1540	
	<u> </u>		200mm	DBSA2040	
	<u> </u>	Also used for 25, 30 & 40mm range	250mm	DBSA2540	
For 20, 25, 30 & 4	300mm	DBSA3040			
DBCEAx	DBDEAx	DBHEAx	350mm	DBSA3540	
1 1			400mm	DBSA4040	
			450mm	DBSA4540	
لحسا					
DBJEAx DBFEAx		DBSEAx	Starter Collars (Fire F		
1 1	1 1		150mm	DBC15	
			200mm	DBC20	
للحسيا	250mm	DBC25			
For 65mm Ductb	300mm	DBC30			
DBDEA65	DBFEA65	DBSEA65	350mm	DBC35	
1 1			400mm	DBC40	

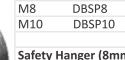
Reducer					
200-150	ERI2015				
250-200	ERI2520				
300-250	ERI3025				
350-250	ERI3525				
350-300	ERI3530				
450-350	ERI4535				
450-400	ERI4540				
	200-150 250-200 300-250 350-250 350-300 450-350				

Insulated Double Spigot Adapto









Safety Hanger (8mm) DBSH75 DBSH95 95mm 500mm DBSH500

For the full range of ADA Ductboard[™] Accessories, refer to the ADA Ductboard[™] Systems booklet

*Also adaptable to suit 30mm ADA Ductboard™

450mm DBC45