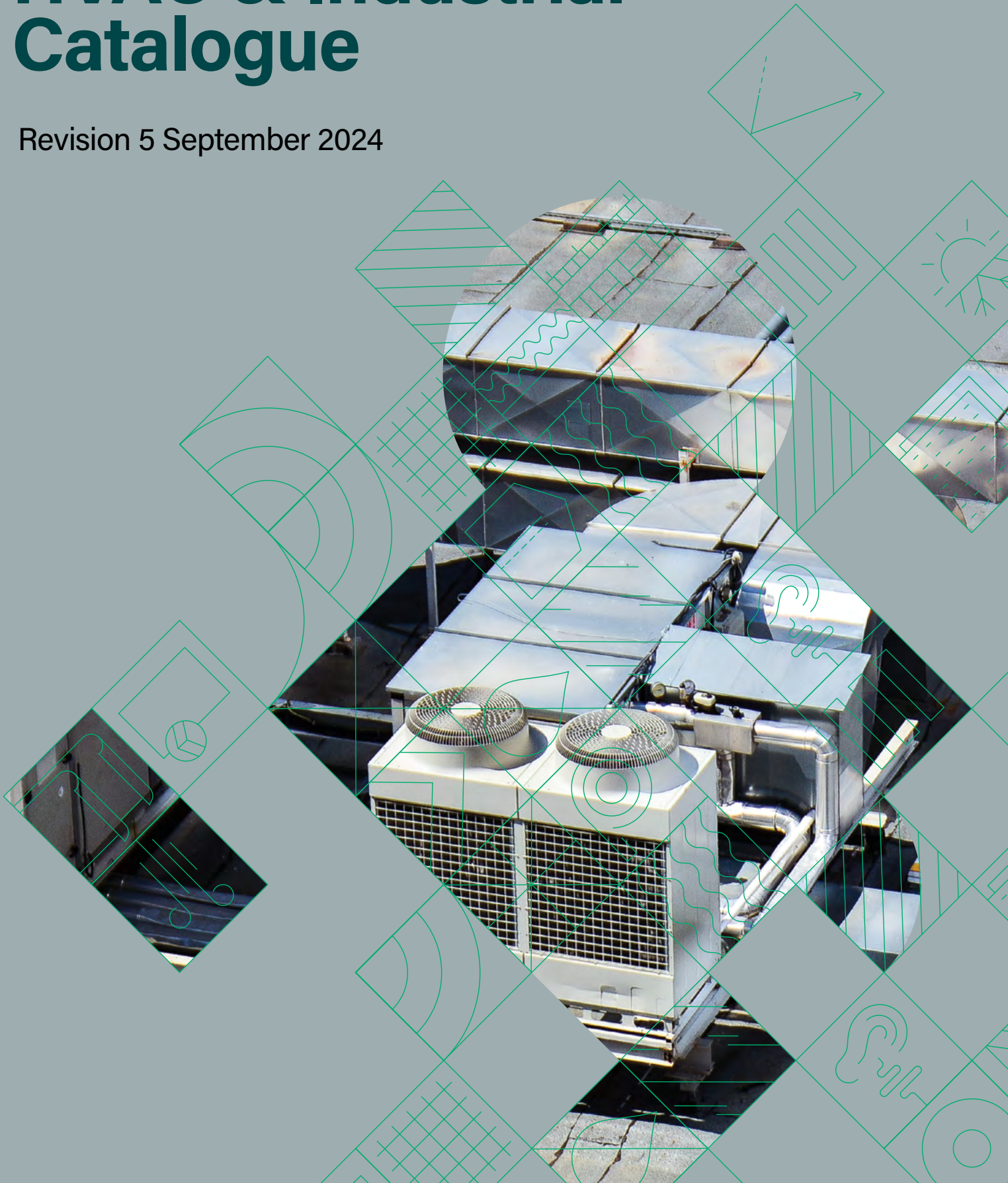


**Fletcher Insulation**

Building Better, Together

# HVAC & Industrial Catalogue

Revision 5 September 2024



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The Fletcher Insulation HVAC & Industrial Catalogue has been designed to be used in conjunction with our product selection guides for understanding best suited product in application as well as our technical data sheet for product performance, standards compliance and specification for best practice methods for installing Fletcher Insulation products. The catalogue is not designed to be used for understanding how product performs in application or technically, rather a comprehensive guide of the range of insulation available at Fletcher Insulation, along with product codes for ease of reference and or selection.

# Introduction

## Trusted Solutions: Fletcher Insulation

With one of Australia's widest distribution and sales coverage networks, Fletcher Insulation provides energy efficient and acoustic solutions to the residential, commercial, HVAC and industrial markets. We manufacture and distribute a wide range of insulation products specially designed for Australian thermal and acoustic systems.

At the forefront of innovation and development of cost effective and compliant products, we remain committed to offering valuable service to our customers. Our national sales force has the experience and knowledge to provide assistance for any project or development to meet non-combustibility, acoustic and energy efficiency performance requirements.

The residential, commercial and HVAC building sectors demand products that enable buildings to meet stringent requirements as set out in the National Construction Code (NCC) for thermal, acoustic and fire performance. Our extensive product range ensures we are able to supply the most suitable product for any application.



### The HVAC Market

Fletcher Insulation is dedicated to servicing the heating, ventilation and air conditioning industry with a wide range of Australian Standard compliant products coupled with a reliable delivery network. We manufacture and supply insulation blankets, liners, rolls and sheets as well as boards, to insulate all types of internal and external ductwork. We pride ourselves on the solidity and durability of our products as well as producing quality board, allowing for meticulous cutting, resulting in straighter and firmer edges.

### The Industrial Market

Fletcher Insulation manufacture and supply a wide range of specialised products to cater for the insulation needs of light industrial applications. Such products include vessel blanket insulation, facing foils and high temperature sheet insulation. We also supply customised insulation products used by Original Equipment Manufacturers (OEM) in the automotive and solar hot water industries. Our products are used to conserve energy, provide a safe environment for workers and attenuate noise.

# National Construction Code

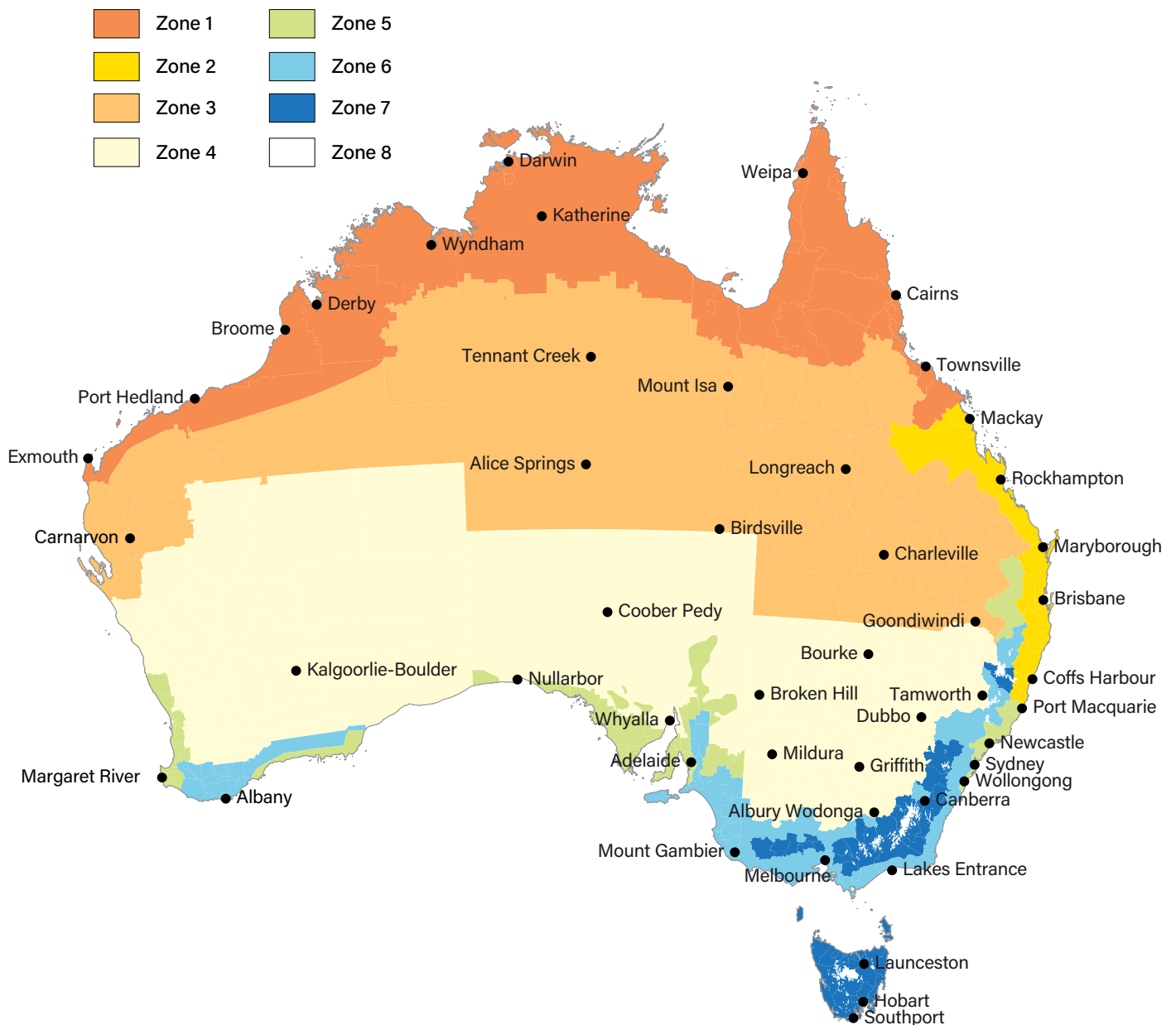
## NCC Deemed-to-Satisfy

Australia has a varied climate, leading to different locations around the country having different heating and cooling requirements. To account for these differences the energy efficiency Deemed-to-Satisfy Provisions vary from location to location and for simplicity, locations with approximately similar climates have been combined into eight climate zones.

The following provides a brief description of each NCC climate zone:

<b>Climate zone 1</b>	High humidity summer, warm winter	<b>Climate zone 5</b>	Warm temperate
<b>Climate zone 2</b>	Warm humid summer, mild winter	<b>Climate zone 6</b>	Mild temperate
<b>Climate zone 3</b>	Hot dry summer, warm winter	<b>Climate zone 7</b>	Cool temperate
<b>Climate zone 4</b>	Hot dry summer, cool winter	<b>Climate zone 8</b>	Alpine

These eight climate zones are illustrated below in the form of a climate zone map which was created using Bureau of Meteorology climatic data with two supplementary zones added to accommodate an additional temperate zone and alpine area. The climate zone boundaries are also aligned with local government areas and are therefore subject to change from time to time.



# National Construction Code

## NCC 2019 and 2022 Deemed-to-Satisfy: Insulation requirement for ductwork and fittings

Selecting the correct level of thermal performance has a direct impact on building comfort. The right type of ductwork insulation can optimise the performance and energy efficiency of a HVAC system. The minimum performance level for insulation will vary depending on the climate zone of the project, building type and its application.

Use the following tables to determine the minimum insulation requirements under the Deemed-to-Satisfy provisions of the National Construction Code (NCC) 2019 and 2022. The minimum insulation values recommended below can be used to meet the building performance requirements where the Deemed-to-Satisfy provisions as detailed in under Volume one for Commercial applications and Volume Two for Residential applications of the NCC 2019 and NCC 2022 are also met.

Table 1: Residential HVAC									
Options		Minimum System R-value for climate zones:							
		1	2	3	4	5	6	7	8
Ductwork	i.i. Heating only system or cooling only system including an evaporative cooling system	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5
	i.ii. Combined heating and refrigerated cooling system	1.5	1.0	1.5	1.5	1.0	1.5	1.5	1.5
Fittings	ii.i. Heating only system or cooling only system including an evaporative cooling system	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
	ii.ii. Combined heating and refrigerated cooling system	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4

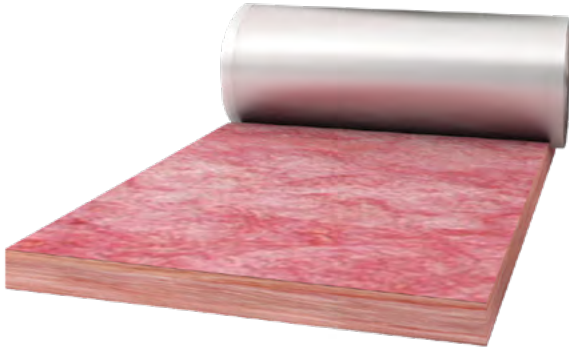
Concessions and variations apply. Refer NCC 2019 Volume 2 Section 3.12.5.3 and refer NCC 2022 Volume 2 part 13.7.4 Heating and cooling of ductwork.

Table 2: Commercial HVAC									
Location		Minimum System R-value for climate zones:							
		1	2	3	4	5	6	7	8
i.	Within a conditioned space	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.0
ii.	Where exposed to direct sunlight	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
iii.	All other locations	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0

Concessions and variations apply. Refer NCC 2019 Volume 1 Section J5 .5 and refer to NCC 2022 Volume 1 Part J6D6 Ductwork Insulation.

# Flexible Blanket

## General Purpose



**Designed for** use as a flexible blanket for external lagging of rigid ducting.

**Made from** Up to 80% recycled glass forming a lightweight non-combustible glasswool insulation blanket with a layer of heavy duty foil facing with a 150mm lap for sealing external lagging of commercial HVAC ductwork.

### Product information

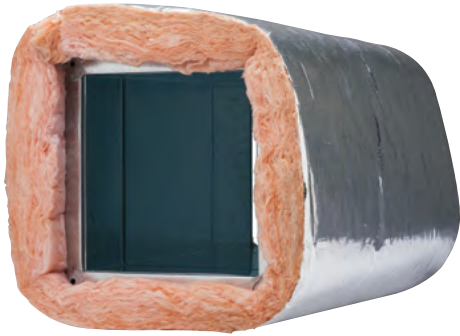
- Codemark Certified for AS 4859.1 Thermal Performance
- 10 year product warranty
- 150mm overlap of facing foil provided for ease of joining and taping insulation around ductwork
- Sufficiently flexible to wrap around sharp angles and small radii

**Product stock and availability:** Please check stock availability with your local Fletcher Insulation representative. Product stock varies and not all products are stocked in every Fletcher Insulation location. Minimum order quantities may apply.

Density kg/m <sup>3</sup>	Facing	Material R-value	Nominal thickness mm	Width mm	Length m	Old product code	New product code
18	Sisalation® Medium Duty (MD) 450 Facing Foil 150mm lap	R1.5	50	1380	10	935477	4005655
		R2.0	75	1380	8	935476	4005654
22	Unfaced	R1.2	41	1200	18	935433	4003806
		R1.5	50	1200	15	935415	4003803
		R2.0	75	1200	7.5	940186	4005585
	Sisalation® Heavy Duty (HD) 450 Facing Foil 150mm lap	R0.7	25	1200	15	935321	4005642
		R1.5	50	1200	15	935322	4005272
		R1.5	50	1380	15	935318	4005641
		R2.0	75	1200	7.5	935327	4005643
		R2.0	75	1425	9	935332	4005644
24	Unfaced	R0.7	25	1500	20	936135	4005657
		R1.5	50	1200	12	936140	4005658

# Flexible Blanket

## FI22 Ductwrap



**Designed for** use as a flexible blanket for external lagging of rigid ducting.

**Made from** Up to 80% recycled glass forming a lightweight non-combustible glasswool insulation blanket with a layer of heavy duty foil facing.

### Product information

- Codemark Certified for AS 4859.1 Thermal Performance
- 10 year product warranty
- 22kg/m<sup>3</sup> density
- Sufficiently flexible to wrap around sharp angles and small radii

**Product stock and availability:** Please check stock availability with your local Fletcher Insulation representative. Product stock varies and not all products are stocked in every Fletcher Insulation location. Minimum order quantities may apply.

Density kg/m <sup>3</sup>	Facing	Material R-value	Nominal thickness mm	Width mm	Length m	Old product code	New product code
22	Sisalation® Heavy Duty (HD) 450 Facing Foil	R0.7	25	1200	15	235425	4007051
		R0.7	25	1500	15	936356	4005660
		R1.1	38	1200	10	235439	4004870
		R1.1	38	1200	15	235438	4007052
		R1.1	38	1500	15	235357	4004869
		R1.2	41	1200	10	935442	4005652
		R1.2	41	1200	18	935436	4005649
		R1.5	50	1200	10	936377	4003809
		R1.5	50	1200	15	235355	4007050
		R1.5	50	1500	12	936364	4005661
		R2.0	75	1200	7.5	235321	4005416
		R2.0	75	1500	7.5	235322	4007048

# Flexible Blanket

## Flexible Ductliner



**Designed for** use in applications for internal lining of sheet metal ductwork.

**Made from** Up to 80% recycled glass forming a lightweight flexible blanket roll, with optional facings adhered to on one side.

### Product information

- 10 year product warranty
- 24kg/m<sup>3</sup> density
- Australian Made

**Product stock and availability:** Please check stock availability with your local Fletcher Insulation representative. Product stock varies and not all products are stocked in every Fletcher Insulation location. Minimum order quantities may apply.

Density kg/m <sup>3</sup>	Facing	Material R-value	Nominal thickness mm	Width mm	Length m	Old product code	New product code
24	Unfaced	R2.0	70	1380	8	939070	4005561
		R2.0	70	1500	8	939071	4003810
		R3.0	108	1380	6	939108	4005562
		R3.0	108	1500	6	939109	4003811

# Semi Rigid Board

## FI32 Semi Rigid Insulation

**Acoustic performance** FI32 Semi-Rigid Insulation achieves the following sound absorption coefficients when tested in accordance with AS ISO354-2006:

Product	Nominal thickness mm	Sound Absorption Coefficients at frequencies (Hz) of:										
		100	125	250	500	1000	2000	3150	4000	5000	NRC	$\alpha_w$
Sisalation® HD Perf	25	0.05	0.06	0.22	0.63	0.87	1.00	0.92	0.88	0.83	0.70	0.55 (MH)
Unfaced/Plain	25	0.08	0.08	0.24	0.55	0.82	0.93	0.97	0.97	0.98	0.65	0.55 (MH)
Black Matt Facing (BMF)	25	0.06	0.06	0.25	0.61	0.83	0.95	0.99	1.03	1.03	0.65	0.55 (MH)
Vapastop® 883	38	0.11	0.15	0.55	1.07	1.10	0.71	0.55	0.47	0.37	0.85	0.65 (LM)
Sisalation® HD Perf	38	0.08	0.16	0.57	0.89	1.08	1.02	0.98	0.99	0.94	0.90	0.85
Unfaced/Plain	38	0.04	0.12	0.43	0.90	1.06	0.99	0.93	0.92	0.92	0.85	0.70 (LM)
Black Matt Facing (BMF)	38	0.08	0.15	0.59	0.85	1.02	1.02	1.07	1.09	1.02	0.85	0.85
Unfaced/Plain	50	0.07	0.19	0.68	1.09	1.16	1.02	1.01	1.00	0.97	1.00	1.00
Vapastop® 883	50	0.13	0.24	0.94	1.16	0.92	0.63	0.47	0.34	0.30	0.90	0.55 (LM)
Sisalation® HD Perf	50	0.10	0.15	0.67	1.04	1.09	1.01	1.05	1.00	0.99	0.95	1.00
Black Matt Facing (BMF)	50	0.12	0.18	0.69	1.00	1.10	1.03	1.05	1.04	1.05	0.95	0.95
Unfaced/Plain	75	0.16	0.29	1.08	1.23	1.03	0.99	1.00	0.99	0.97	1.10	1.00
Black Matt Facing (BMF)	75	0.22	0.45	1.19	1.07	1.04	1.04	1.06	1.06	1.04	1.10	1.00
Sisalation® HD Perf	75	0.31	0.33	1.17	1.01	1.06	1.03	1.03	1.01	0.95	1.10	1.00
Vapastop® 883	75	0.33	0.39	1.21	1.06	0.97	0.76	0.54	0.44	0.41	1.00	0.65 (LM)
Unfaced/Plain	100	0.39	0.50	1.26	1.21	1.08	1.03	0.99	0.97	0.94	1.15	1.00
Black Matt Facing (BMF)	100	0.41	0.73	1.26	1.13	1.09	1.03	1.00	1.06	1.03	1.15	1.00
Sisalation® HD Perf	100	0.45	0.82	1.19	1.14	1.06	1.06	1.01	1.01	0.96	1.10	1.00
Vapastop® 883	100	0.54	0.75	1.19	1.06	0.99	0.77	0.57	0.46	0.39	1.00	0.65 (LM)

# Semi Rigid Board

## FI32 Semi Rigid Sheets



**Designed for** use across a range of HVAC, commercial insulation applications. It offers high thermal and acoustic performance at minimal thickness making it ideal for lining sheet metal ductwork, storage tanks, process vessels, appliance cabinets, plant rooms and in the manufacture of acoustic baffles.

**Made from** up to 80% recycled glass forming a semi rigid board, with optional facings adhered to one side.

### Product information

- Codemark Certified for AS 4859.1 Thermal Performance
- 10 year product warranty
- 32kg/m<sup>3</sup> glasswool
- Glasswool component is deemed non-combustible in accordance with AS/NZS 1530.1
- Available in a range of facing options to suit various performance requirements.
- See page 13 for facing options
- Tested to ASTM D5116 and achieves the requirements set for VOC and formaldehyde emissions.

**Product stock and availability:** Please check stock availability with your local Fletcher Insulation representative. Product stock varies and not all products are stocked in every Fletcher Insulation location. Minimum order quantities may apply.

Facing	Material R-value	Nominal thickness mm	Width mm	Length mm	Pieces per pack	Old product code	New product code	
Unfaced	R0.8	25	1200	2400	10	240125	4006968	
		25	1500	2400	10	240126	4006969	
	R1.2	38	1500	2400	6	240417	4005381	
		R1.5	50	1200	2400	5	240150	4006972
			50	1500	2400	5	240151	4008743
	R2.2	50	1410	3000	3	940734	4003788	
		75	1200	2400	3	240175	4006974	
		75	1500	2400	3	240141	4006971	
	R3.0	75	1410	3000	3	940788	4003789	
		100	1200	2400	2	240207	4006976	
		100	1500	2400	2	240828	4006898	

# Semi Rigid Board

Facing	Material R-value	Nominal thickness mm	Width mm	Length mm	Pieces per pack	Old product code	New product code
Sisalation® Heavy Duty Perforated (HDP) 450P Facing Foil	R0.8	25	1200	2400	10	240725	4006984
		25	1500	2400	10	240726	4006985
		25	1500	3000	6	940706	4005257
	R1.2	38	1200	2400	6	240738	4005384
		38	1500	2400	6	240741	4005385
		38	1500	3000	4	940712	4005259
	R1.5	50	1200	2400	5	240750	4006992
		50	1500	2400	5	240751	4006993
		50	1500	3000	3	940707	4005258
	R2.2	75	1200	2400	3	240775	4005366
		75	1500	2400	3	240493	4006979
		75	1500	3000	3	940767	4005261
	R3.0	100	1200	2400	2	240798	4006896
		100	1500	2400	2	240827	4006897
		100	1500	3000	2	940800	4005595
Sisalation Vapastop® 883 Facing Foil	R0.8	25	1500	2400	10	240732	4005382
		25	1500	3000	6	940703	4003785
	R1.2	38	1500	2400	6	240742	4005386
	R1.5	50	1500	2400	5	939740	4005573
		50	1500	3000	3	940704	4005590
	R2.2	75	1500	2400	3	240186	4006975
		75	1500	3000	3	940768	4005594
	R3.0	100	1500	2400	2	240183	4005380
100		1500	3000	2	940801	4003790	
Black Matt Facing Tissue (BMF)	R0.8	25	1200	2400	10	240525	4006980
	R1.5	50	1200	2400	5	240550	4006981
	R2.2	75	1200	2400	3	240575	4006982
	R3.0	100	1200	2400	2	240601	4006983

# Semi Rigid Blanket

## FI32 Semi Rigid Rolls



**Designed for** use across a range of HVAC and commercial insulation applications. It offers high thermal and acoustic performance at minimal thickness making it ideal for lining sheet metal ductwork, storage tanks, process vessels, appliance cabinets, plant rooms and in the manufacture of acoustic baffles.

**Made from** up to 80% recycled glass forming a semi-rigid roll, with optional facings adhered to on one side.

### Product information





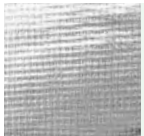

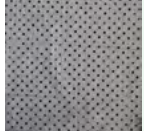

- Codemark Certified for AS 4859.1 Thermal Performance
- 10 year product warranty
- 32kg/m<sup>3</sup> density
- Glasswool component is deemed non-combustible in accordance with AS/NZS 1530.1
- Available in a range of facing options to suit various performance requirements.
- See page 13 for facing options
- Tested to ASTM D5116 and achieves the requirements set for VOC and formaldehyde emissions

**Product stock and availability:** Please check stock availability with your local Fletcher Insulation representative. Product stock varies and not all products are stocked in every Fletcher Insulation location. Minimum order quantities may apply.

Facing	Material R-value	Nominal thickness mm	Width mm	Length m	m2 per roll	Old product code	New product code
Unfaced	R0.8	25	1200	15	25	239125	4007053
	R1.5	50	1500	8	12	939851	4005575
	R1.5	50	1500	10	15	939251	4005563
	R2.3	75	1380	8	11	939752	4005574
		75	1500	7.5	11.3	940173	4005583
	R3.0	100	1380	5	6.9	945539	4005495
100		1500	5	7.5	945540	4005496	
Sisalation® Heavy Duty (HD) 450 Facing Foil	R1.5	50	1200	10	12	239350	4007054
Sisalation® Heavy Duty Perforated (HDP) 450P Facing Foil	R0.8	25	1380	12	16.5	939326	4005566
		25	1500	12	18	939727	4005572
	R1.5	50	1380	8	11	939852	4005576
		50	1500	8	12	239755	4006960
		50	1500	10	15	239751	4006957
	R2.2	75	1380	8	11	239776	4006964
		75	1500	7.5	11.3	940216	4005587
	R3.0	100	1380	5	6.9	945544	4005498
100		1500	5	7.5	945541	4005497	
Sisalation® Vapastop® 883 Facing Foil	R0.8	25	1380	12	16.5	939327	4005567
	R1.5	50	1380	8	11	939854	4003820
		50	1500	8	12	239955	4006965
R2.2	75	1380	8	11	945760	4005507	
Black Matt Facing Tissue (BMF)	R0.8	25	1500	12	18	239527	4006954
	R1.5	50	1500	8	15	239552	4006955

# Facing Selections

## Ductwork Facing Selection Guide

	 Acoustic <sup>(1)</sup>	 Vapour Barrier	 Condensation Control	 Indoor Air Quality <sup>(2)</sup>
<b>Product and Description</b>  <b>Sisalation® Vapastop® 883</b> Sisalation® Vapastop® 883 Aluminium Facing Foil is a fully sealed continuous acoustic membrane (CAM) minimising the risk of fibres entering the duct's air stream. Ideal for applications where superior indoor air quality and NRC acoustic performance is required. Vapastop® 883 can sustain mechanical cleaning.	★★★★★	★★★★★	–	★★★★★
 <b>Sisalation® Heavy Duty (HD) 450</b> Sisalation® Heavy Duty (HD) Reflective Facing Foil delivers a superior water and vapour barrier providing long term durability against condensation. It is ideal for externally lagged ductwork where resistance to water vapour transmission is essential.	★★★	★★★★★	★★★★★	–
 <b>Sisalation® Heavy Duty Perforated (HDP) 450P</b> Sisalation® Heavy Duty Perforated (HDP) 450P Reflective Facing Foil delivers superior NRC acoustic performance and is ideal for internally lined ductwork where noise minimisation is essential.	★★★★★	–	–	–
 <b>Black Matt</b> Black Matt Facing (BMF) is a light duty, economical facing which delivers an aesthetic solution for applications where the duct lining is visible. It is ideal for internally lined ductwork where noise minimisation is essential. It is unsuitable for mechanical cleaning.	★★★	–	–	–






1) Refer to page 9 for NRC acoustic properties.

2) When Vapastop® 883 facing is applied, a fully sealed and continuous barrier prevents fibres entering the air stream.

### Features

-  Acoustic Control
-  Condensation Control
-  Indoor Air Quality Control
-  Thermal Control
-  Fire Resistant

### Applications

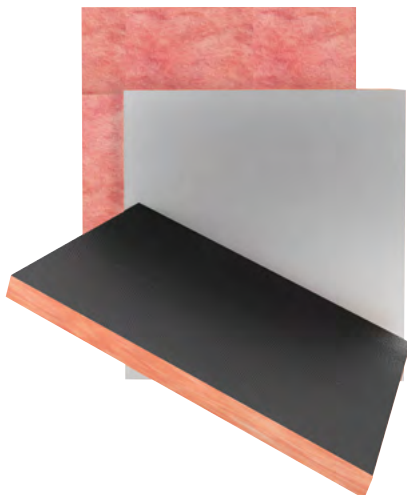
-  HVAC Internal Duct Liner
-  HVAC External Duct Wrap
- 
- 
- 

### Star Rating

- ★★★★★ Superior
- ★★★★ Very Good
- ★★★ Good

# Rigid Board

## FI48 Rigid Board



**Designed for** use as HVAC internal ductliner, insulating process equipment and plant room walls for applications requiring superior thermal and acoustic performance.

**Made from** up to 80% recycled glass using a thermosetting resin forming a 48kg rigid board, with optional facings adhered to one side.

### Product information

- Codemark Certified for AS 4859.1 Thermal Performance
- 10 year product warranty
- Glasswool component is deemed non-combustible in accordance with AS/NZS 1530.1
- High-density 48kg/m<sup>3</sup> glasswool
- Available in a range of facing options to suit various specification requirements
- Australian made

**Product stock and availability:** Please check stock availability with your local Fletcher Insulation representative. Product stock varies and not all products are stocked in every Fletcher Insulation location. Minimum order quantities may apply.

Facing	Material R-value	Nominal thickness mm	Width mm	Length mm	Pieces per pack	Old product code	New product code
Unfaced	R0.8	25	1200	2400	8	245624	4004856
	R1.5	50	1200	2400	4	244251	4006903
		50	1500	2400	4	245246	4004851
	R2.2	75	1200	2400	3	245275	4006906
		75	1500	2400	3	244258	4006904
R3.0	100	1200	2400	2	243100	4006900	
Sisalation® Heavy Duty Perforated 450P Facing Foil	R1.5	50	1200	2400	4	245652	4006909
		50	1500	2400	4	245554	4004855
	R2.2	75	1200	2400	3	245775	4004858
		75	1500	2400	3	245776	4005368
	R3.0	100	1200	2400	2	243122	4006902
		100	1500	2400	2	245660	4004857
Black Matt Facing Tissue (BMF)	R1.5	50	1200	2400	4	245456	4006907
	R3.0	100	1200	2400	2	243102	4006901

# Facing Foils

## Sisalation® Facing Foils



**Designed for** use as an acoustic and a vapour barrier in the lining of air conditioning ducts, lagging pipes and vessels or as a reflective facing for glasswool substrates.

**Made from** double sided reflective aluminium foil, double layered high density kraft paper. HD option is reinforced by yarn.

### Product information

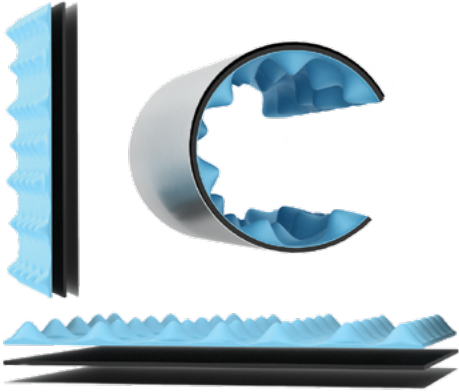
- 10 year product warranty
- Sisalation® Vapastop® 883 and a heavy duty perforated option maximises the acoustic absorption properties of glasswool insulation
- Provides an effective vapour barrier
- Strong, tear and scratch resistant
- Aids in the prevention of condensation

**Product stock and availability:** Please check stock availability with your local Fletcher Insulation representative. Product stock varies and not all products are stocked in every Fletcher Insulation location. Minimum order quantities may apply.

Product	Width mm	Length m	m2 per roll	Roll weight kg	Old product code	New product code
Sisalation® Heavy Duty Facing Foil 450	1000	60	60	10.45	952136	4005550
	1200	60	72	12.49	952154	4005553
	1200	300	360	63.47	952148	4008036
	1350	60	81	14.05	952160	4005251
Sisalation® Heavy Duty Perforated Facing Foil 450P	1200	300	360	56.74	952151	4005552
	1200	600	720	225.8	952163	4008037
	1350	60	81	12.53	952182	4005418
	1350	300	405	63.8	952178	4008039
	1380	600	828	127.88	952207	4008045
	1500	300	450	70.89	952198	4008042
Sisalation® Vapastop® 883	1500	600	900	138.97	952204	4008044
	1200	605	726	49	988346	4005234
	1200	690	828	55	988356	4005236
	1200	860	1032	70	988364	4005238
	1350	500	675	45.6	988331	4005232

# Acoustic Barriers

## Soundlag 4525C Pipe Acoustic Lagging



**Designed for** use around ducts, rainwater or waste pipes to reduce noise levels in residential and multi-residential buildings.

**Made from** reinforced aluminium foil skin applied to a 5kg/m<sup>2</sup> flexible loaded vinyl barrier backed with 25mm thick convoluted, hydrolysis resistant, acoustic foam.

### Product information

- Maximises noise control by providing high sound absorption (reverberation control) and superior transmission loss
- Highly flexible, allowing it to conform to the smallest diameter pipes and bends (has no memory)
- Conforms well to corners and irregular surfaces
- Broad operating temperature range; max 100°C
- High resistance to heat flow (i.e. low thermal conductivity)
- Reduces the noise in hydraulic and waste pipes by up to 25dB(A)
- Easy to cut and install into tight applications

**Product stock and availability:** Please check stock availability with your local Fletcher Insulation representative. Product stock varies and not all products are stocked in every Fletcher Insulation location. Minimum order quantities may apply.

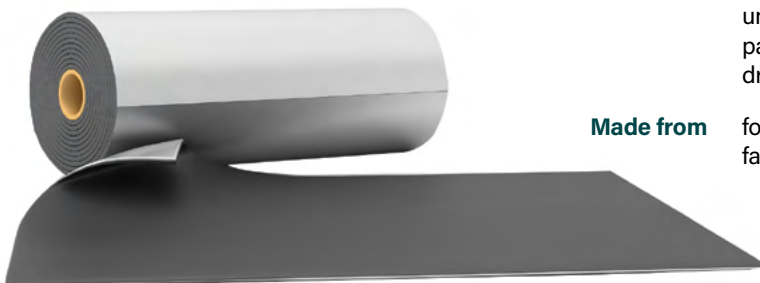
Barrier weight kg/m <sup>2</sup>	Thickness mm	Width mm	Length m	m <sup>2</sup> per roll	Roll weight kg	Rolls per pallet	Old product code	New product code
5	25	1350	5	6.70	30	50	330025	4006764

**Acoustic example** Water waste pipe



# Acoustic Barriers

## Quadzero™ Loaded Vinyl Barrier



**Designed for** use in applications where space may be limited to reduce unwanted noise transmission through ceilings, walls, floors, office partitions, machinery enclosures and/or ductwork. Can also be draped to make portable acoustic curtains and screens.

**Made from** foil faced, heavy mass-loaded vinyl noise barrier with a reinforced fabric backing.

### Product information

- Easy to cut and fabricate around pipe penetrations, ducting and cabling
- High tensile strength, resistant to tearing
- Free from lead, odour-producing oils and bitumen
- Excellent fire hazard properties
- Easy to cut, sew and mechanically fasten into position
- Resistant to most chemicals, solvents and petrol
- Safe to use with allergy sufferers due to low VOC
- Reduces sound transfer from the external roof environment into the building (i.e. rain/overhead traffic)
- Ideal for home theatre rooms, office partitions and meeting rooms
- Can be wrapped around noisy pipes, i.e. fluid or gas pulsation in chemical, petrochemical and waste water treatment plants
- Can be laminated onto lightweight structures to dampen vibration and reduce airborne noise

**Product stock and availability:** Lead times will apply. Please check stock availability with your local Fletcher Insulation representative. Product stock varies and not all products are stocked in every Fletcher Insulation location. Minimum order quantities may apply.

Barrier weight kg/m <sup>2</sup>	Thickness mm	Width mm	Length m	m <sup>2</sup> per roll	Roll weight kg	Rolls per pallet	Old product code	New product code
4	2.0	1350	5	6.7	27	20	330014	4006763
6	3.0	1350	5	6.7	41	20	330006	4006761
8	4.0	1350	5	6.7	54	30	330008	4006762

# Tapes

## Vapastop® 883 Foil Tape



**Designed for** use with Sisalation® products to create a vapour sealed joint.

**Made from** laminated polyethylene film, polyethylene fibre mesh and aluminium foil.

**Product stock and availability:** Please check stock availability with your local Fletcher Insulation representative. Product stock varies and not all products are stocked in every Fletcher Insulation location. Minimum order quantities may apply.

Width mm	Length m	Rolls per carton	Old product code	New product code
48	50	24	318040	4006794
63	50	16	318080	4006798
72	50	16	318085	4006799
96	50	12	318086	4006800
120	50	8	318502	4004745
144	50	8	318501	4006806

## Plain Foil Tape



**Designed for** use with Sisalation® products to create a vapour sealed joint.

**Made from** dead soft aluminium foil with synthetic rubber/resin on one side.

**Product stock and availability:** Please check stock availability with your local Fletcher Insulation representative. Product stock varies and not all products are stocked in every Fletcher Insulation location. Minimum order quantities may apply.

Width mm	Length m	Rolls per carton	Old product code	New product code
48	50	24	318400	4006802
72	50	16	318405	4006803
96	50	12	318410	4006804

## Double Sided Cloth Tape



**Designed for** use as a temporary installation aid for holding Sisalation® foil to metal framing and purlins.

**Made from** P.E. coated polyester, cotton cloth with synthetic rubber/resin on both sides.

**Product stock and availability:** Please check stock availability with your local Fletcher Insulation representative. Product stock varies and not all products are stocked in every Fletcher Insulation location. Minimum order quantities may apply.

Width mm	Length m	Rolls per carton	Old product code	New product code
24	23	36	318050	4006796
48	23	20	318030	4006793

# Tapes

## Sisalation® MD 440WF White Tape



**Designed for** use with Sisalation® white faced products to seal joints.

**Made from** laminated polyethylene film, bonded to paper with synthetic rubber/resin on one side.

**Product stock and availability:** Please check stock availability with your local Fletcher Insulation representative. Product stock varies and not all products are stocked in every Fletcher Insulation location. Minimum order quantities may apply.

Width mm	Length m	Rolls per carton	Old product code	New product code
96	50	12	318611	4006807

## Black Tape



**Designed for** use with Sisalation® black faced products to seal joints.

**Made from** laminated polyethylene film, reinforced scrim, white inked finish with synthetic rubber/resin on one side.

**Product stock and availability:** Please check stock availability with your local Fletcher Insulation representative. Product stock varies and not all products are stocked in every Fletcher Insulation location. Minimum order quantities may apply.

Width mm	Length m	Rolls per carton	Old product code	New product code
48	50	24	318349	4006801
72	50	16	318498	4006805

## High Tack Sprayable Adhesive



**Designed for** use as a spray grade for bonding lightweight fibreglass wool and polystyrene foam to reflective foil in the insulation. It has strong tack strength which is open for a long time, flexibility and good temperature resistance.

**Made from** hexane composite.

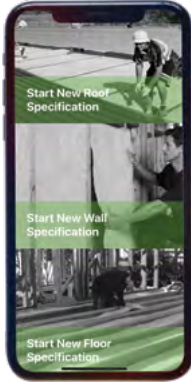
**Product stock and availability:** Please check stock availability with your local Fletcher Insulation representative. Product stock varies and not all products are stocked in every Fletcher Insulation location. Minimum order quantities may apply.

Litres per pail	Old product code	New product code
20	334052	4004667

# Compliance and Design Assistance

Fletcher  
Spec<sup>pro</sup>

Total R-Value Calculator



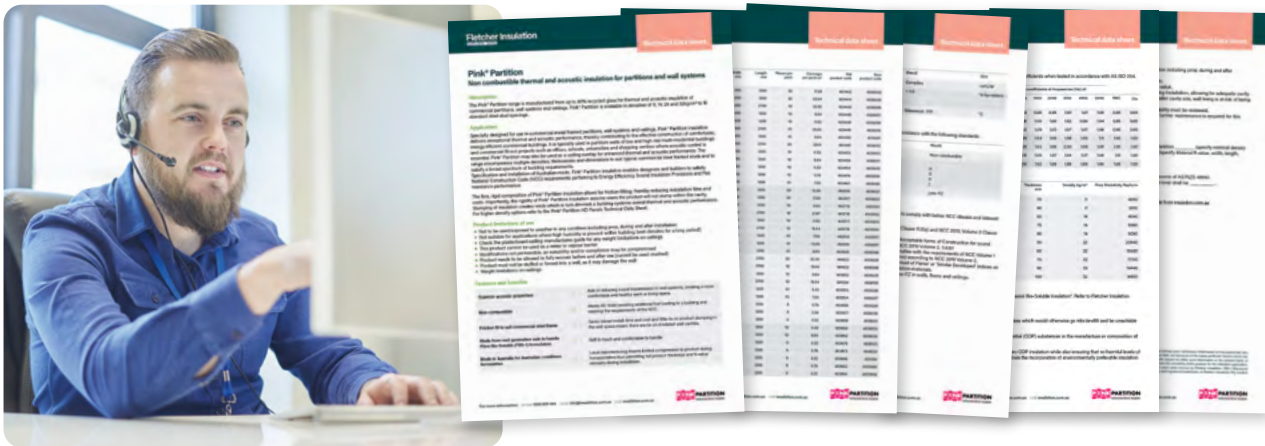
## FletcherSpec Pro<sup>®</sup>

FletcherSpec Pro<sup>®</sup> is a Fletcher Insulation app developed to overcome many traditional issues architects and builders face when specifying insulation. The app provides a near complete support structure, guiding users through the entire insulation specification process.

FletcherSpec Pro<sup>®</sup> delivers centralisation of the multitude of tasks associated with typical System R-value calculations including but not limited to; determining the relevant climate zone, referencing applicable energy efficiency requirements, considering solar absorption values of roof cladding and selecting the correct insulation products for the application. This drastically minimises the need to manually cross reference inconsistent or out-dated handbooks, technical data sheets and so on. Instead, users simply answer a series of targeted questions which the app uses to determine relevant energy efficiency requirements as outlined in the National Construction Code Deemed to Satisfy provisions. The app then progresses to calculate the Total R-value of the design based on the inputs entered by the user.

## Technical Data Sheets and Installation Guidelines

Visit [insulation.com.au](http://insulation.com.au) to discover the excellent array of technical information available to download, whether you need to get into the product details yourself, or reassure the project team that our products are compliant, and safe and easy to install.



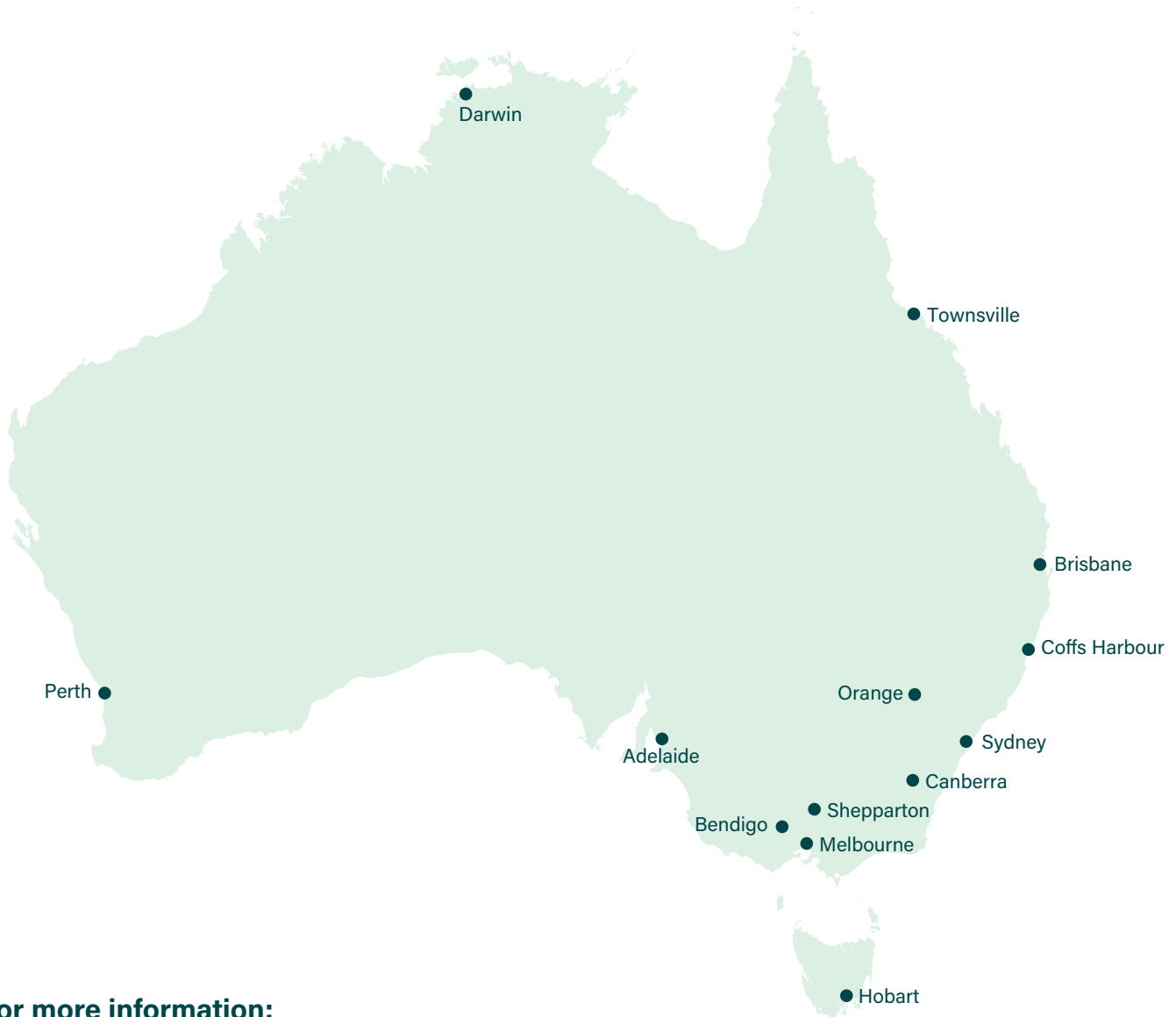
## Technical support

Fletcher Insulation's Technical Service is an invaluable resource for mechanical engineers and specifiers. Our insulation experts understand what's needed to satisfy a diverse range of building applications, including the complex requirements of the commercial building sectors. Providing the right advice when you need it, our technical service team has quality solutions to help solve your building insulation challenges.

Contact Fletcher Insulation on 1300 654 444 or email [technical@insulation.com.au](mailto:technical@insulation.com.au)

# Get in touch with us

**With one of Australia's widest distribution and sales coverage networks, Fletcher Insulation is ready to assist you.**



## **For more information:**

phone **1300 654 444**

email **[info@insulation.com.au](mailto:info@insulation.com.au)**

visit **[insulation.com.au](https://www.insulation.com.au)**

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