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AFFLO

Flexible Duct

D
DMI
DTI

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PRODUCT DATA SHEET

5 YR WARRANTY

FLEXIBLE DUCT

Overview

Idealair is able to supply a wide range of quality flexible duct. All Idealair flexible duct has been tested to the relevant AS/NZ and UL standards with compliance certificates being available. All insulated flexible duct is manufactured using the genuine RM value for the polyester insulation material. The duct core and sleeve construction process is by laminating quality film materials using fire retardant glue.

D Series
3 & 4 zero nude core only

DTI & DMI Series
3 & 4 Zero Plain & Acoustic Insulated Flexible Duct

RM Values
R0.6, R1.0, R1.5 & R2.0

Nude Core Product Codes

3 ZERO NUDE CORE ONLY

Product Code	Description
D46	Flexible Duct 3 Zero Nude Core Only - 100 Ø x 6 Metre
D56	Flexible Duct 3 Zero Nude Core Only - 125 Ø x 6 Metre
D66	Flexible Duct 3 Zero Nude Core Only - 150 Ø x 6 Metre
D86	Flexible Duct 3 Zero Nude Core Only - 200 Ø x 6 Metre
D106	Flexible Duct 3 Zero Nude Core Only - 250 Ø x 6 Metre
D126	Flexible Duct 3 Zero Nude Core Only - 300 Ø x 6 Metre
D146	Flexible Duct 3 Zero Nude Core Only - 350 Ø x 6 Metre
D166	Flexible Duct 3 Zero Nude Core Only - 400 Ø x 6 Metre
D186	Flexible Duct 3 Zero Nude Core Only - 450 Ø x 6 Metre
D206	Flexible Duct 3 Zero Nude Core Only - 500 Ø x 6 Metre
D226	Flexible Duct 3 Zero Nude Core Only - 550 Ø x 6 Metre

Dimensions in millimetres

4 ZERO NUDE CORE ONLY

Product Code	Description
D464Z	Flexible Duct 4 Zero Nude Core Only - 100 Ø x 6 Metre
D564Z	Flexible Duct 4 Zero Nude Core Only - 125 Ø x 6 Metre
D664Z	Flexible Duct 4 Zero Nude Core Only - 150 Ø x 6 Metre
D864Z	Flexible Duct 4 Zero Nude Core Only - 200 Ø x 6 Metre
D1064Z	Flexible Duct 4 Zero Nude Core Only - 250 Ø x 6 Metre
D1264Z	Flexible Duct 4 Zero Nude Core Only - 300 Ø x 6 Metre
D1464Z	Flexible Duct 4 Zero Nude Core Only - 350 Ø x 6 Metre
D1664Z	Flexible Duct 4 Zero Nude Core Only - 400 Ø x 6 Metre
D1864Z	Flexible Duct 4 Zero Nude Core Only - 450 Ø x 6 Metre
D2064Z	Flexible Duct 4 Zero Nude Core Only - 500 Ø x 6 Metre
D2264Z	Flexible Duct 4 Zero Nude Core Only - 550 Ø x 6 Metre

Dimensions in millimetres

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RM0.6 Flexible Insulated Duct Codes

3 ZERO RM0.6 INSULATED FLEXIBLE DUCT

Product Code	Description
DTI4606	Flexible Duct 3 Zero Insulated - RM0.6 - 100 Ø x 6 Metre
DTI5606	Flexible Duct 3 Zero Insulated - RM0.6 - 125 Ø x 6 Metre
DTI6606	Flexible Duct 3 Zero Insulated - RM0.6 - 150 Ø x 6 Metre
DTI8606	Flexible Duct 3 Zero Insulated - RM0.6 - 200 Ø x 6 Metre
DTI10606	Flexible Duct 3 Zero Insulated - RM0.6 - 250 Ø x 6 Metre
DTI12606	Flexible Duct 3 Zero Insulated - RM0.6 - 300Ø x 6 Metre
DTI14606	Flexible Duct 3 Zero Insulated - RM0.6 - 350 Ø x 6 Metre
DTI16606	Flexible Duct 3 Zero Insulated - RM0.6 - 400 Ø x 6 Metre
DTI18606	Flexible Duct 3 Zero Insulated - RM0.6 - 450 Ø x 6 Metre
DTI20606	Flexible Duct 3 Zero Insulated - RM0.6 - 500 Ø x 6 Metre
DTI22606	Flexible Duct 3 Zero Insulated - RM0.6 - 550 Ø x 6 Metre

Diameters in millimetres

3 ZERO RM0.6 INSULATED ACOUSTIC FLEXIBLE DUCT

Product Code	Description
DTI4606A	Flexible Duct 3 Zero Acoustic Insulated - RM0.6 - 100 Ø x 6 Metre
DTI5606A	Flexible Duct 3 Zero Acoustic Insulated - RM0.6 - 125 Ø x 6 Metre
DTI6606A	Flexible Duct 3 Zero Acoustic Insulated - RM0.6 - 150 Ø x 6 Metre
DTI8606A	Flexible Duct 3 Zero Acoustic Insulated - RM0.6 - 200 Ø x 6 Metre
DTI10606A	Flexible Duct 3 Zero Acoustic Insulated - RM0.6 - 250 Ø x 6 Metre
DTI12606A	Flexible Duct 3 Zero Acoustic Insulated - RM0.6 - 300Ø x 6 Metre
DTI14606A	Flexible Duct 3 Zero Acoustic Insulated - RM0.6 - 350 Ø x 6 Metre
DTI16606A	Flexible Duct 3 Zero Acoustic Insulated - RM0.6 - 400 Ø x 6 Metre
DTI18606A	Flexible Duct 3 Zero Acoustic Insulated - RM0.6 - 450 Ø x 6 Metre
DTI20606A	Flexible Duct 3 Zero Acoustic Insulated - RM0.6 - 500 Ø x 6 Metre
DTI22606A	Flexible Duct 3 Zero Acoustic Insulated - RM0.6 - 550 Ø x 6 Metre

Diameters in millimetres

RM1.0 Flexible Insulated Duct Codes

3 ZERO RM1.0 INSULATED FLEXIBLE DUCT

Product Code	Description
DMI6610	Flexible Duct 3 Zero Insulated - RM1.0 - 150 Ø x 6 Metre
DMI8610	Flexible Duct 3 Zero Insulated - RM1.0 - 200 Ø x 6 Metre
DMI10610	Flexible Duct 3 Zero Insulated - RM1.0 - 250 Ø x 6 Metre
DMI12610	Flexible Duct 3 Zero Insulated - RM1.0 - 300 Ø x 6 Metre
DMI14610	Flexible Duct 3 Zero Insulated - RM1.0 - 350 Ø x 6 Metre
DMI16610	Flexible Duct 3 Zero Insulated - RM1.0 - 400 Ø x 6 Metre
DMI18610	Flexible Duct 3 Zero Insulated - RM1.0 - 450 Ø x 6 Metre
DMI20610	Flexible Duct 3 Zero Insulated - RM1.0 - 500 Ø x 6 Metre

Diameters in millimetres

3 ZERO RM1.0 INSULATED ACOUSTIC FLEXIBLE DUCT

Product Code	Description
DMI6610A	Flexible Duct 3 Zero Acoustic Insulated - RM1.0 - 150 Ø x 6 Metre
DMI8610A	Flexible Duct 3 Zero Acoustic Insulated - RM1.0 - 200 Ø x 6 Metre
DMI10610A	Flexible Duct 3 Zero Acoustic Insulated - RM1.0 - 250 Ø x 6 Metre
DMI12610A	Flexible Duct 3 Zero Acoustic Insulated - RM1.0 - 300 Ø x 6 Metre
DMI14610A	Flexible Duct 3 Zero Acoustic Insulated - RM1.0 - 350 Ø x 6 Metre
DMI16610A	Flexible Duct 3 Zero Acoustic Insulated - RM1.0 - 400 Ø x 6 Metre
DMI18610A	Flexible Duct 3 Zero Acoustic Insulated - RM1.0 - 450 Ø x 6 Metre
DMI20610A	Flexible Duct 3 Zero Acoustic Insulated - RM1.0 - 500 Ø x 6 Metre

Diameters in millimetres

4 ZERO RM1.0 INSULATED FLEXIBLE DUCT

Product Code	Description
DMI66104Z	Flexible Duct 4 Zero Insulated - RM1.0 - 150 Ø x 6 Metre
DMI86104Z	Flexible Duct 4 Zero Insulated - RM1.0 - 200 Ø x 6 Metre
DMI106104Z	Flexible Duct 4 Zero Insulated - RM1.0 - 250 Ø x 6 Metre
DMI126104Z	Flexible Duct 4 Zero Insulated - RM1.0 - 300 Ø x 6 Metre
DMI146104Z	Flexible Duct 4 Zero Insulated - RM1.0 - 350 Ø x 6 Metre
DMI166104Z	Flexible Duct 4 Zero Insulated - RM1.0 - 400 Ø x 6 Metre
DMI186104Z	Flexible Duct 4 Zero Insulated - RM1.0 - 450 Ø x 6 Metre
DMI206104Z	Flexible Duct 4 Zero Insulated - RM1.0 - 500 Ø x 6 Metre

Diameters in millimetres

4 ZERO RM1.0 INSULATED ACOUSTIC FLEXIBLE DUCT

Product Code	Description
DMI66104ZA	Flexible Duct 4 Zero Acoustic Insulated - RM1.0 - 150 Ø x 6 Metre
DMI86104ZA	Flexible Duct 4 Zero Acoustic Insulated - RM1.0 - 200 Ø x 6 Metre
DMI106104ZA	Flexible Duct 4 Zero Acoustic Insulated - RM1.0 - 250 Ø x 6 Metre
DMI126104ZA	Flexible Duct 4 Zero Acoustic Insulated - RM1.0 - 300 Ø x 6 Metre
DMI146104ZA	Flexible Duct 4 Zero Acoustic Insulated - RM1.0 - 350 Ø x 6 Metre
DMI166104ZA	Flexible Duct 4 Zero Acoustic Insulated - RM1.0 - 400 Ø x 6 Metre
DMI186104ZA	Flexible Duct 4 Zero Acoustic Insulated - RM1.0 - 450 Ø x 6 Metre
DMI206104ZA	Flexible Duct 4 Zero Acoustic Insulated - RM1.0 - 500 Ø x 6 Metre

Diameters in millimetres

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RM1.5 Flexible Insulated Duct Codes

3 ZERO RM1.5 INSULATED FLEXIBLE DUCT

Product Code	Description
DMI6615	Flexible Duct 3 Zero Insulated - RM1.5 - 150 Ø x 6 Metre
DMI8615	Flexible Duct 3 Zero Insulated - RM1.5 - 200 Ø x 6 Metre
DMI10615	Flexible Duct 3 Zero Insulated - RM1.5 - 250 Ø x 6 Metre
DMI12615	Flexible Duct 3 Zero Insulated - RM1.5 - 300 Ø x 6 Metre
DMI14615	Flexible Duct 3 Zero Insulated - RM1.5 - 350 Ø x 6 Metre
DMI16615	Flexible Duct 3 Zero Insulated - RM1.5 - 400 Ø x 6 Metre
DMI18615	Flexible Duct 3 Zero Insulated - RM1.5 - 450 Ø x 6 Metre
DMI20615	Flexible Duct 3 Zero Insulated - RM1.5 - 500 Ø x 6 Metre

Diameters in millimetres

3 ZERO RM1.5 INSULATED ACOUSTIC FLEXIBLE DUCT

Product Code	Description
DMI6615A	Flexible Duct 3 Zero Acoustic Insulated - RM1.5 - 150 Ø x 6 Metre
DMI8615A	Flexible Duct 3 Zero Acoustic Insulated - RM1.5 - 200 Ø x 6 Metre
DMI10615A	Flexible Duct 3 Zero Acoustic Insulated - RM1.5 - 250 Ø x 6 Metre
DMI12615A	Flexible Duct 3 Zero Acoustic Insulated - RM1.5 - 300 Ø x 6 Metre
DMI14615A	Flexible Duct 3 Zero Acoustic Insulated - RM1.5 - 350 Ø x 6 Metre
DMI16615A	Flexible Duct 3 Zero Acoustic Insulated - RM1.5 - 400 Ø x 6 Metre
DMI18615A	Flexible Duct 3 Zero Acoustic Insulated - RM1.5 - 450 Ø x 6 Metre
DMI20615A	Flexible Duct 3 Zero Acoustic Insulated - RM1.5 - 500 Ø x 6 Metre

Diameters in millimetres

4 ZERO RM1.5 INSULATED FLEXIBLE DUCT

Product Code	Description
DMI66154Z	Flexible Duct 4 Zero Insulated - RM1.5 - 150 Ø x 6 Metre
DMI86154Z	Flexible Duct 4 Zero Insulated - RM1.5 - 200 Ø x 6 Metre
DMI106154Z	Flexible Duct 4 Zero Insulated - RM1.5 - 250 Ø x 6 Metre
DMI126154Z	Flexible Duct 4 Zero Insulated - RM1.5 - 300 Ø x 6 Metre
DMI146154Z	Flexible Duct 4 Zero Insulated - RM1.5 - 350 Ø x 6 Metre
DMI166154Z	Flexible Duct 4 Zero Insulated - RM1.5 - 400 Ø x 6 Metre
DMI186154Z	Flexible Duct 4 Zero Insulated - RM1.5 - 450 Ø x 6 Metre
DMI206154Z	Flexible Duct 4 Zero Insulated - RM1.5 - 500 Ø x 6 Metre

Diameters in millimetres

4 ZERO RM1.5 INSULATED ACOUSTIC FLEXIBLE DUCT

Product Code	Description
DMI66154ZA	Flexible Duct 4 Zero Acoustic Insulated - RM1.5 - 150 Ø x 6 Metre
DMI86154ZA	Flexible Duct 4 Zero Acoustic Insulated - RM1.5 - 200 Ø x 6 Metre
DMI106154ZA	Flexible Duct 4 Zero Acoustic Insulated - RM1.5 - 250 Ø x 6 Metre
DMI126154ZA	Flexible Duct 4 Zero Acoustic Insulated - RM1.5 - 300 Ø x 6 Metre
DMI146154ZA	Flexible Duct 4 Zero Acoustic Insulated - RM1.5 - 350 Ø x 6 Metre
DMI166154ZA	Flexible Duct 4 Zero Acoustic Insulated - RM1.5 - 400 Ø x 6 Metre
DMI186154ZA	Flexible Duct 4 Zero Acoustic Insulated - RM1.5 - 450 Ø x 6 Metre
DMI206154ZA	Flexible Duct 4 Zero Acoustic Insulated - RM1.5 - 500 Ø x 6 Metre

Diameters in millimetres

RM2.0 Flexible Insulated Duct Codes

3 ZERO RM2.0 INSULATED FLEXIBLE DUCT

Product Code	Description
DMI6620	Flexible Duct 3 Zero Insulated - RM2.0 - 150 Ø x 6 Metre
DMI8620	Flexible Duct 3 Zero Insulated - RM2.0 - 200 Ø x 6 Metre
DMI10620	Flexible Duct 3 Zero Insulated - RM2.0 - 250 Ø x 6 Metre
DMI12620	Flexible Duct 3 Zero Insulated - RM2.0 - 300 Ø x 6 Metre
DMI14620	Flexible Duct 3 Zero Insulated - RM2.0 - 350 Ø x 6 Metre
DMI16620	Flexible Duct 3 Zero Insulated - RM2.0 - 400 Ø x 6 Metre
DMI18620	Flexible Duct 3 Zero Insulated - RM2.0 - 450 Ø x 6 Metre
DMI20620	Flexible Duct 3 Zero Insulated - RM2.0 - 500 Ø x 6 Metre

Diameters in millimetres

3 ZERO RM2.0 INSULATED ACOUSTIC FLEXIBLE DUCT

Product Code	Description
DMI6620A	Flexible Duct 3 Zero Acoustic Insulated - RM2.0 - 150 Ø x 6 Metre
DMI8620A	Flexible Duct 3 Zero Acoustic Insulated - RM2.0 - 200 Ø x 6 Metre
DMI10620A	Flexible Duct 3 Zero Acoustic Insulated - RM2.0 - 250 Ø x 6 Metre
DMI12620A	Flexible Duct 3 Zero Acoustic Insulated - RM2.0 - 300 Ø x 6 Metre
DMI14620A	Flexible Duct 3 Zero Acoustic Insulated - RM2.0 - 350 Ø x 6 Metre
DMI16620A	Flexible Duct 3 Zero Acoustic Insulated - RM2.0 - 400 Ø x 6 Metre
DMI18620A	Flexible Duct 3 Zero Acoustic Insulated - RM2.0 - 450 Ø x 6 Metre
DMI20620A	Flexible Duct 3 Zero Acoustic Insulated - RM2.0 - 500 Ø x 6 Metre

Diameters in millimetres

4 ZERO RM2.0 INSULATED FLEXIBLE DUCT

Product Code	Description
DMI66204Z	Flexible Duct 4 Zero Insulated - RM2.0 - 150 Ø x 6 Metre
DMI86204Z	Flexible Duct 4 Zero Insulated - RM2.0 - 200 Ø x 6 Metre
DMI106204Z	Flexible Duct 4 Zero Insulated - RM2.0 - 250 Ø x 6 Metre
DMI126204Z	Flexible Duct 4 Zero Insulated - RM2.0 - 300 Ø x 6 Metre
DMI146204Z	Flexible Duct 4 Zero Insulated - RM2.0 - 350 Ø x 6 Metre
DMI166204Z	Flexible Duct 4 Zero Insulated - RM2.0 - 400 Ø x 6 Metre
DMI186204Z	Flexible Duct 4 Zero Insulated - RM2.0 - 450 Ø x 6 Metre
DMI206204Z	Flexible Duct 4 Zero Insulated - RM2.0 - 500 Ø x 6 Metre

Diameters in millimetres

4 ZERO RM2.0 INSULATED ACOUSTIC FLEXIBLE DUCT

Product Code	Description
DMI66204ZA	Flexible Duct 4 Zero Acoustic Insulated - RM2.0 - 150 Ø x 6 Metre
DMI86204ZA	Flexible Duct 4 Zero Acoustic Insulated - RM2.0 - 200 Ø x 6 Metre
DMI106204ZA	Flexible Duct 4 Zero Acoustic Insulated - RM2.0 - 250 Ø x 6 Metre
DMI126204ZA	Flexible Duct 4 Zero Acoustic Insulated - RM2.0 - 300 Ø x 6 Metre
DMI146204ZA	Flexible Duct 4 Zero Acoustic Insulated - RM2.0 - 350 Ø x 6 Metre
DMI166204ZA	Flexible Duct 4 Zero Acoustic Insulated - RM2.0 - 400 Ø x 6 Metre
DMI186204ZA	Flexible Duct 4 Zero Acoustic Insulated - RM2.0 - 450 Ø x 6 Metre
DMI206204ZA	Flexible Duct 4 Zero Acoustic Insulated - RM2.0 - 500 Ø x 6 Metre

Diameters in millimetres

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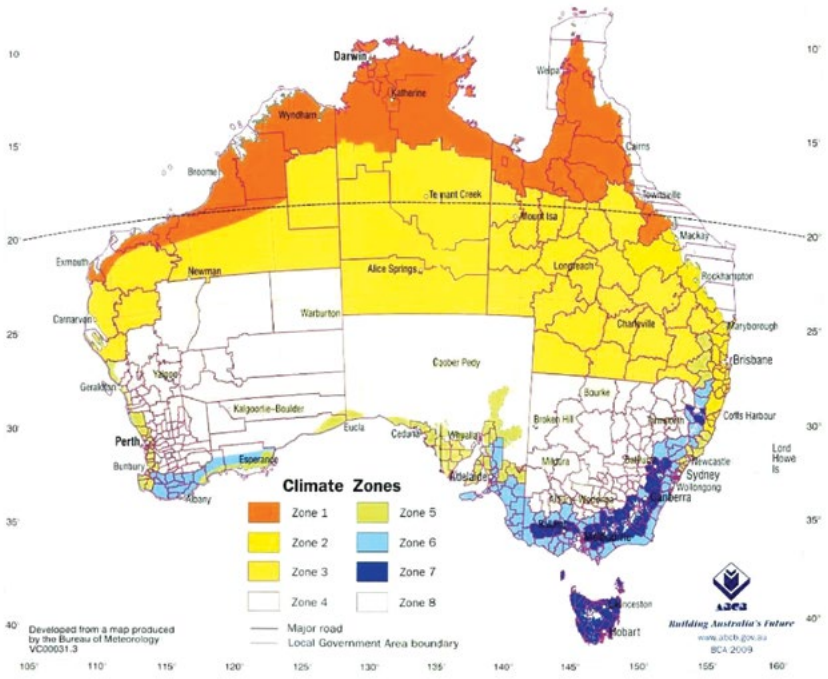
R Value Map



Residential Class 1 and 10 Buildings

Insulation of Services - Thermal insulation for central heating water piping and heating and cooling ductwork must use thermal insulation material in accordance with AS/NZS 4859.1

TABLE - HEATING AND COOLING DUCTWORK AND FITTINGS - MINIMUM MATERIAL R-VALUE

Ductwork Element	Minimum Material R-Value for Ductwork and Fittings in Each Climate Zone				
	Heating-only system or cooling-only system including an evaporative cooling system		Combined heating and refrigerated cooling system		
	1, 2, 3, 4, 5, 6 and 7	8	1, 3, 4, 6 and 7	2 and 5	8
Ductwork	1.0	1.5	1.5	1.0	1.5
Fittings	0.4				

Commercial Class 2 to 9 Buildings

Air-Handling Ductwork - Rigid and flexible ductwork in a Class 2 to 9 building must comply with the fire hazard properties set out in AS 4254 Parts 1 and 2.

Ductwork Insulation - Insulation must be provided on ductwork and fittings, used for heating or cooling, including evaporative cooling, with insulation complying with AS/NZS 4859.1 and;

i) achieve the material R-Value specified in this table, or;
ii) for flexible ductwork of no more than 3m in length to an outlet or from an inlet, achieve a minimum material R-Value of 1.0.

TABLE - DUCTWORK AND FITTINGS - MINIMUM MATERIAL R-VALUE

Location of Ductwork and Fittings	Minimum Material R-Value for Ductwork and Fittings in Each Climate Zone		
	1, 2, 3, and 5	4, 6 and 7	8
Within a Conditioned Space	1.2	1.2	1.6
Where Exposed to Direct Sunlight	3.0	3.0	3.4
All Other Locations	2.0	2.0	2.4

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