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Flexible Duct & Fittings



BCA 2011 VICTORIAN INSULATION REQUIREMENTS FOR AIRLINX FLEXIBLE

Table 3.12.5.2 Heating and Cooling ductwork and fittings—minimum material R-Value	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		
	Ductwork Ele-	1, 2, 3, 4, 5, 6 and 7	8	1, 3, 4, 6 and 7	2 and 5
DUCTWORK	1.0	1.5	1.5 (see note)	1.0	1.5
FITTINGS	0.4	0.4	0.4	0.4	0.4

Note: The minimum material R-Value required for ductwork may be reduced by 0.5 for combined heating and refrigerated cooling systems in climate zones 1, 3, 4, 6 and 7 if the ducts are

- A) under a suspended floor with an enclosed perimeter; or
- B) In a roof space that has insulation of not less than R0.5 directly beneath the roofing

Existing homes that need to meet the requirements of HB 276 and AS4508 requires ductwork to have an R value 1.0 for heating and cooling and R-Value R0.6 and reflective foil for evaporative coolers (PIC will also accept R1.0 and no reflective foil). Fittings are required to be R.04

Flexible Duct & Fittings



SIZE MM	NUDE	R1.0 60mm / 420gsm	R1.5 90mm / 750gsm	4ZERO	4ZERO R1.0	4ZERO R1.5	ACOUSTIC	R1.0, R2.0 ACOUSTIC
100	X	X	X					
125	X	X	X					
150	X	X	X	X	X	X	X	X
175	X	X	X	X	X	X	X	X
200	X	X	X	X	X	X	X	X
225	X	X	X	X	X	X	X	X
250	X	X	X	X	X	X	X	X
300	X	X	X	X	X	X	X	X
350	X	X	X	X	X	X	X	X
400	X	X	X	X	X	X	X	X
450	X	X	X	X	X	X	X	X
500	X							
550								
600								

All Flexible Duct is in 6m lengths. Higher insulation ratings available on request.

- Airlinx Flexible Ducts Exceed Australian building standards
- Airlinx Flexible Ducts are made with 40mm pitch, extremely strong and due to tighter pitch our flexible duct won't sag when bent.
- Our insulated Ducts have a 100mm excess of insulation to overlap on connection and improve insulation properties in joins.
- Insulation is standard R1 and the grammage is 450mm per square meter, ensuring a high quality and effective product.

R2 FLEXIBLE DUCT

Thermal Rating R2 Flexible Duct is insulation being more than 100mm thick and the density is 1100gs/m²

Technical Data

F-R2-06	R2 Insulation Flex Fire Rated 150mm x 6m
F-R2-08	R2 Insulation Flex Fire Rated 200mm x 6m
F-R2-10	R2 Insulation Flex Fire Rated 250mm x 6m
F-R2-12	R2 Insulation Flex Fire Rated 300mm x 6m
F-R2-14	R2 Insulation Flex Fire Rated 350mm x 6m
F-R2-16	R2 Insulation Flex Fire Rated 400mm x 6m



ACOUSTIC FLEXIBLE DUCT

Acoustic Duct is manufactured from a perforated core that once the air moves through the core, the air is absorbed into the insulation for a quieter air flow.

Technical Data

F-ADR106	Acoustic Flex R1 Ins 150mm x 6m
F-ADR108	Acoustic Flex R1 Ins 200mm x 6m
F-ADR110	Acoustic Flex R1 Ins 250mm x 6m
F-ADR112	Acoustic Flex R1 Ins 300mm x 6m
F-ADR114	Acoustic Flex R1 Ins 350mm x 6m
F-ADR116	Acoustic Flex R1 Ins 400mm x 6m





4 ZERO TWIN SKIN FLEXIBLE DUCT

4 Zero Twin Skin is manufactured from two layers of aluminium, this gives added strength the shape of the duct

Technical Data

F-TW4	4 Zero Twin Skin Flexible 100mm x 6m
F-TW5	4 Zero Twin Skin Flexible 125mm x 6m
F-TW6	4 Zero Twin Skin Flexible 150mm x 6m
F-TW8	4 Zero Twin Skin Flexible 200mm x 6m
F-TW10	4 Zero Twin Skin Flexible 250mm x 6m
F-TW12	4 Zero Twin Skin Flexible 300mm x 6m
F-TW14	4 Zero Twin Skin Flexible 350mm x 6m
F-TW16	4 Zero Twin Skin Flexible 400mm x 6m
F-TW18	4 Zero Twin Skin Flexible 450mm x 6m
F-TW20	4 Zero Twin Skin Flexible 500mm x 6m



4 ZERO R1 FLEXIBLE DUCT

4 Zero R1 Insulation is manufactured from an aluminium core with R1 Insulation and an aluminium sleeve. Fire Rated as smoke index 4.0.

Technical Data

F-4ZR6	4 Zero R1 Flexible Duct 150mm x 6m
F-4ZR8	4 Zero R1 Flexible Duct 200mm x 6m
F-4ZR10	4 Zero R1 Flexible Duct 250mm x 6m
F-4ZR12	4 Zero R1 Flexible Duct 300mm x 6m
F-4ZR14	4 Zero R1 Flexible Duct 350mm x 6m
F-4ZR16	4 Zero R1 Flexible Duct 400mm x 6m
F-4ZR18	4 Zero R1 Flexible Duct 450mm x 6m
F-4ZR20	4 Zero R1 Flexible Duct 500mm x 6m

FLEX JOINERS

Metal joiner galvanised steel, best suit flexible duct. Two ring ridge for flexible duct wire to hook on. Mechanically produced to ensure precision fit



Technical Data

F-GJN4"	Galvanised Flex Joiner 100mm
F-GJN5"	Galvanised Flex Joiner 125mm
F-GJN6"	Galvanised Flex Joiner 150mm
F-GJN7"	Galvanised Flex Joiner 175mm
F-GJN8"	Galvanised Flex Joiner 200mm
F-GJN10"	Galvanised Flex Joiner 250mm
F-GJN12"	Galvanised Flex Joiner 300mm
F-GJN14"	Galvanised Flex Joiner 350mm
F-GJN16"	Galvanised Flex Joiner 400mm
F-GJN18"	Galvanised Flex Joiner 450mm

STARTING COLLARS

Castellated starting collar, galvanised steel, best suit flexible duct and cushion box



Technical Data

SC06	Starting Collar 150mm
SC08	Starting Collar 200mm
SC10	Starting Collar 250mm
SC12	Starting Collar 300mm
SC14	Starting Collar 350mm



NUDE FLEX

Nude Duct is manufactured from metallised polyester film and hard cord wire. Smoke index is three zero.

Technical Data

F-U4	Fire Rated Nude Duct 100mm x 6m
F-U5	Fire Rated Nude Duct 125mm x 6m
F-U6	Fire Rated Nude Duct 150mm x 6m
F-U8	Fire Rated Nude Duct 200mm x 6m
F-U10	Fire Rated Nude Duct 250mm x 6m
F-U12	Fire Rated Nude Duct 300mm x 6m
F-U14	Fire Rated Nude Duct 350mm x 6m
F-U16	Fire Rated Nude Duct 400mm x 6m
F-U18	Fire Rated Nude Duct 450mm x 6m
F-U20	Fire Rated Nude Duct 500mm x 6m



R1 FLEXIBLE DUCT

Thermal Rating R1 Flexible Duct is manufactured a metallised polyester film nude flex with poly insulation at 60mm thick, and a outside metallised sleeve.

Technical Data

F-R4	R1 Insulation Flex Fire Rated 100mm x 6m
F-R5	R1 Insulation Flex Fire Rated 125mm x 6m
F-R6	R1 Insulation Flex Fire Rated 150mm x 6m
F-R8	R1 Insulation Flex Fire Rated 200mm x 6m
F-R10	R1 Insulation Flex Fire Rated 250mm x 6m
F-R12	R1 Insulation Flex Fire Rated 300mm x 6m
F-R14	R1 Insulation Flex Fire Rated 350mm x 6m
F-R16	R1 Insulation Flex Fire Rated 400mm x 6m
F-R18	R1 Insulation Flex Fire Rated 450mm x 6m
F-R20	R1 Insulation Flex Fire Rated 500mm x 6m

PLASTIC REDUCERS

Reducer is obviously reduce the size from a big diameter to a smaller diameter. This plastic made reducer is for connection 2 different sizes of flexible duct .



Technical Data

R8/6	Plastic Reducer 200/150
R10/8	Plastic Reducer 250/200
R12/10	Plastic Reducer 300/250
R14/12	Plastic Reducer 350/300
R16/14	Plastic Reducer 400/350
R18/16	Plastic Reducer 450/400
R20/18	Plastic Reducer 500/450

FLANGED STARTING COLLAR



Code and description

SCR6	Flanged Starting Collar 150mm
SCR8	Flanged Starting Collar 200mm
SCR10	Flanged Starting Collar 250mm
SCR12	Flanged Starting Collar 300mm
SCR14	Flanged Starting Collar 350mm
SCR16	Flanged Starting Collar 400mm
SCR18	Flanged Starting Collar 450mm
SCR20	Flanged Starting Collar 500mm



PLASTICY'S

Y is as the product look Y, conjunction of 3 different sizes of flexible duct together. From the bottom of bigger size to the side of two smaller sizes. Material is plastic.

Technical Data

644Y	Plastic Y 150/100/100
666Y	Plastic Y 150/150/150
866Y	Plastic Y 200/150/150
121010Y	Plastic Y 300/250/250
121210Y	Plastic Y 300/300/250
121212Y	Plastic Y 300/300/300
141010Y	Plastic Y 350/250/250
141210Y	Plastic Y 350/300/250
141212Y	Plastic Y 350/300/300
141410Y	Plastic Y 350/350/250
141412Y	Plastic Y 350/350/300
141414Y	Plastic Y 350/350/350
161210Y	Plastic Y 400/300/250
161212Y	Plastic Y 400/300/300
161412Y	Plastic Y 400/350/300
161414Y	Plastic Y 400/350/350
161612Y	Plastic Y 400/400/300
161614Y	Plastic Y 400/400/350
161616Y	Plastic Y 400/400/400

Cable Ties

Cable ties are for hanging flexible duct under the roof or the floor



Code and description	
CT10	Cable Tie 600mm each

Blue hanging strap

Hanging Strap comes in 50m to hanging flexible duct in the ceiling or under the floor. 25mm x 50mts a roll



Technical Data	
HS	Blue Hanging Strap



Duct Tape

Sealed up flexible duct with its fittings. Nitto brand lead free, 48mm x 30m per roll, comes in grey or black colour

Code and description

DT	Duct Tape Nitto Denko
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Silver Foil Tape

Venture tape, for foil reinforce on the duct work. Comply with AS-4254, it comes 50mm wide x 50mts per roll or 75mm wide x 50mts per roll.

Code and description

ITEM NUMBER	ITEM NAME
FIT50	Foil reinforce Tape 50mm
FIT75	Foil reinforce Tape 75mm