

# AIRFOIL



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**FLEXIBLE DUCT 3-ZERO  
R1.0 FLAME FLEX**

**FF**



## FLEXIBLE DUCT 3-ZERO R1.0 FLAME FLEX FF

### PRODUCT DESCRIPTION AND APPLICATION

Airfoil's Australian Made 3-Zero R1.0 Flexible Duct has been tested and meets all requirements of Australian Standards AS 4254.1 2012 and Building Codes of Australia Domestic and Commercial Air Handling Systems.

The duct has a black inner core with a metalised outer surface multi-layered construction containing high-level grade flame retardant water based adhesive with high tensile wire helix encapsulated.

The Metalised Outer Layer has a multi-layered construction containing high quality grade flame retardant adhesive. The Polyester Insulation Blanket achieves a thermal rating of R1.0 with a thickness of 70mm.

The operating pressure range is 1000 Pa positive to 200 Pa negative and the operating temperature range is -10C to +80C.

Available sizes are 4", 5", 6", 8" 10", 12", 14", 16", 18", 20" in standard or acoustic and in 3 or 6 metre lengths.

## FLEXIBLE DUCT 3-ZERO R1.0 FLAME FLEX FF

### PRODUCT SPECIFICATIONS AND INFORMATION

- **Product ordering code – FF**
- Australian Made
- Aluminium Construction
- 3-Zero R1.0 Flexible Duct core
- Meets Australian Standards AS 4254.1 2012 and Building Codes of Australia Domestic and Commercial Air Handling Systems
- Black inner core
- Metalised outer surface
- Multi-layered construction
- High-level grade flame retardant water based adhesive
- High tensile wire helix encapsulated
- Polyester Insulation Blanket R1.0 Thermal Rating (70mm thick)
- Operating pressure range (Pa): 1000 Pa positive to 200 Pa negative
- Operating temperature range: -10°C to +80°C
- Available sizes: 4", 5", 6", 8", 10", 12", 14", 16", 18", 20"
- Available in 3m or 6m lengths
- Airfoil Compliance Certificate available



## FLEXIBLE DUCT 3-ZERO R1.0 FLAME FLEX FF

### ORDERING CODES

PRODUCT SPECIFICATION CODES			
<b>FF 4R1.0 6M</b>	4 inch 3-ZERO R1.0 Flame Flex 6 metres	<b>FF 4R1.0 3M</b>	4 inch 3-ZERO R1.0 Flame Flex 3 metres
<b>FF 5R1.0 6M</b>	5 inch 3-ZERO R1.0 Flame Flex 6 metres	<b>FF 5R1.0 3M</b>	5 inch 3-ZERO R1.0 Flame Flex 3 metres
<b>FF 6R1.0 6M</b>	6 inch 3-ZERO R1.0 Flame Flex 6 metres	<b>FF 6R1.0 3M</b>	6 inch 3-ZERO R1.0 Flame Flex 3 metres
<b>FF 8R1.0 6M</b>	8 inch 3-ZERO R1.0 Flame Flex 6 metres	<b>FF 8R1.0 3M</b>	8 inch 3-ZERO R1.0 Flame Flex 3 metres
<b>FF 10R1.0 6M</b>	10 inch 3-ZERO R1.0 Flame Flex 6 metres	<b>FF 10R1.0 3M</b>	10 inch 3-ZERO R1.0 Flame Flex 3 metres
<b>FF 12R1.0 6M</b>	12 inch 3-ZERO R1.0 Flame Flex 6 metres	<b>FF 12R1.0 3M</b>	12 inch 3-ZERO R1.0 Flame Flex 3 metres
<b>FF 14R1.0 6M</b>	14 inch 3-ZERO R1.0 Flame Flex 6 metres	<b>FF 14R1.0 3M</b>	14 inch 3-ZERO R1.0 Flame Flex 3 metres
<b>FF 16R1.0 6M</b>	16 inch 3-ZERO R1.0 Flame Flex 6 metres	<b>FF 16R1.0 3M</b>	16 inch 3-ZERO R1.0 Flame Flex 3 metres
<b>FF 18R1.0 6M</b>	18 inch 3-ZERO R1.0 Flame Flex 6 metres	<b>FF 18R1.0 3M</b>	18 inch 3-ZERO R1.0 Flame Flex 3 metres
<b>FF 20R1.0 6M</b>	20 inch 3-ZERO R1.0 Flame Flex 6 metres	<b>FF 20R1.0 3M</b>	20 inch 3-ZERO R1.0 Flame Flex 3 metres



## Compliance Certificate



### R1.0 Insulated Flexible Duct 3-ZERO

Airfoil flexible duct has been tested and meets all requirements of Australian Standards 4254 and Building Codes of Australia for Domestic and Commercial Air Handling Systems.

<b>PRODUCT</b>	R1.0 Metalised Sleeve, Polyester Flexible Duct (3-Zero).
<b>CONSTRUCTION</b>	Black Inner Core with Metalised Outer surface multi-layered construction containing high level grade Flame Retardant Water based adhesive with high tensile wire helix encapsulated.
<b>METALISED OUTER SLEEVE</b>	Multi-layered construction (Metalised Outer Layer) containing high quality grade flame retardant adhesive.
<b>INSULATION TYPE</b>	Polyester Insulation Blanket to achieve thermal rating of R1.0 (Insulation Thickness 70mm)
<b>LENGTH</b>	6 Metre / 3 Metre lengths
<b>DIAMETERS</b>	4", 5", 6", 8" 10", 12", 14", 16", 18", 20" INCH.
<b>OPTIONS</b>	Standard Plain or Acoustic.
<b>OPERATING PRESSURE RANGE</b>	1000 Pa positive, 200 Pa negative
<b>OPERATING TEMPERATURE RANGE</b>	-10C TO +80C

TEST STANDARD	DESCRIPTION	RESULT
AS/NZS 1530.3 - 1989	Ignitability Index0	0
AS/NZS 1530.3 - 1989	Spread of Flame Index	0
AS/NZS 1530.3 - 1989	Heat Evolved Index	0
AS/NZS 1530.3 - 1989	Smoke Developed Index	0-1
UL181	Burning	Pass
UL181	Mould	Pass
UL181	Temperature	Pass
UL181	Puncture	Pass
UL181	Static Load	Pass
UL181	Impact	Pass
UL181	Pressure	Pass
UL181	Collapse	Pass
UL181	Tension	Pass

The R rating of R1.0 is measured ex manufacture. Prolonged compression, packaging or stretching of the product will be detrimental to the final R rating of any duct produced.