

AIRFOIL



GRILLES
DUCT
FITTINGS

making it happen sooner...



Quality
Endorsed
Company
ISO 9001
 SAI GLOBAL



**FLEXIBLE DUCT 3-ZERO
R2.0 FLAME FLEX**

FF



FLEXIBLE DUCT 3-ZERO R2.0 FLAME FLEX FF

PRODUCT DESCRIPTION AND APPLICATION

Airfoil's Australian Made 3-Zero R2.0 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 R2.0 with a thickness of 90mm.

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 R2.0 FLAME FLEX FF

PRODUCT SPECIFICATIONS AND INFORMATION

- **Product ordering code – FF**
- Australian Made
- Aluminium Construction
- 3-Zero R2.0 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 R2.0 Thermal Rating (90mm 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 R2.0 FLAME FLEX FF

ORDERING CODES

PRODUCT SPECIFICATION CODES			
FF4R2.0 6M	4 inch 3-ZERO R2.0 Flame Flex 6 metres	FF4R2.0 3M	4 inch 3-ZERO R2.0 Flame Flex 3 metres
FF5R2.0 6M	5 inch 3-ZERO R2.0 Flame Flex 6 metres	FF5R2.0 3M	5 inch 3-ZERO R2.0 Flame Flex 3 metres
FF6R2.0 6M	6 inch 3-ZERO R2.0 Flame Flex 6 metres	FF6R2.0 3M	6 inch 3-ZERO R2.0 Flame Flex 3 metres
FF8R2.0 6M	8 inch 3-ZERO R2.0 Flame Flex 6 metres	FF8R2.0 3M	8 inch 3-ZERO R2.0 Flame Flex 3 metres
FF10R2.0 6M	10 inch 3-ZERO R2.0 Flame Flex 6 metres	FF10R2.0 3M	10 inch 3-ZERO R2.0 Flame Flex 3 metres
FF12R2.0 6M	12 inch 3-ZERO R2.0 Flame Flex 6 metres	FF12R2.0 3M	12 inch 3-ZERO R2.0 Flame Flex 3 metres
FF14R2.0 6M	14 inch 3-ZERO R2.0 Flame Flex 6 metres	FF14R2.0 3M	14 inch 3-ZERO R2.0 Flame Flex 3 metres
FF16R2.0 6M	16 inch 3-ZERO R2.0 Flame Flex 6 metres	FF16R2.0 3M	16 inch 3-ZERO R2.0 Flame Flex 3 metres
FF18R2.0 6M	18 inch 3-ZERO R2.0 Flame Flex 6 metres	FF18R2.0 3M	18 inch 3-ZERO R2.0 Flame Flex 3 metres
FF20R2.0 6M	20 inch 3-ZERO R2.0 Flame Flex 6 metres	FF20R2.0 3M	20 inch 3-ZERO R2.0 Flame Flex 3 metres



Compliance Certificate



R2.0 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.

PRODUCT	R2.0 Metalised Sleeve, Polyester Flexible Duct (3-Zero).
CONSTRUCTION	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.
METALISED OUTER SLEEVE	Multi-layered construction (Metalised Outer Layer) containing high quality grade flame retardant adhesive.
INSULATION TYPE	Polyester Insulation Blanket to achieve thermal rating of R2.0. (Insulation Thickness 90mm)
LENGTH	6 Metre / 3 Metre lengths
DIAMETERS	4", 5", 6", 8" 10", 12", 14", 16", 18", 20" INCH.
OPTIONS	Standard Plain or Acoustic.
OPERATING PRESSURE RANGE	1000 Pa positive, 200 Pa negative
OPERATING TEMPERATURE RANGE	-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 R2.0 is measured ex manufacture. Prolonged compression, packaging or stretching of the product will be detrimental to the final R rating of any duct produced.