

DUCTFLEX™

Lightweight Flexible Blanket

PRODUCT DESCRIPTION AND TYPICAL APPLICATIONS

Insulation Solutions™ *Ductflex* is a lightweight roll product suitable for insulating compressible Flexible Ducting of all types. The use of long, fine fibres in the manufacture of *Ductflex* enables the product to recover to its designed thickness even after prolonged periods of storage on fully compressed duct.

Duct insulated with this product will comply with the requirements of AS4254 “Ductwork for Air-handling Systems in Buildings” and AS4508 “Thermal Resistance of Insulation for Ductwork used in Building Air Conditioning”.

PHYSICAL CHARACTERISTICS

R-Value	Nominal Thickness (mm)	Width (mm)	Length (m)	Ordering Code
1.0	45	690	30	DF1369S
1.0	45	860	30	DF1386S
1.0	45	1040	30	DF13104S
1.0	45	1180	30	DF13118S
1.0	45	1345	30	DF131345S
1.0	45	1500	30	DF1315S
1.0	45	1650	30	DF13165S
1.0	45	1810	30	DF13181S

NOTE: R1.0 *Ductflex* rolls have a perforated cut (“skip-chop”) at six metre intervals to aid installation onto flex duct cores.

THERMAL CONDUCTIVITY

The thermal conductivity of *Ductflex* at a mean temperature of 25°C (when tested in accordance with ASTM C177).

Thermal conductivity is 0.048 W/mk.

EARLY FIRE HAZARD RATING

Insulation Solutions Ductflex exhibits the following characteristics when tested to AS1530 Part 3 “Early Fire Hazard Properties of Materials.”

Ignitability	0
Spread of Flame	0
Heat	0
Smoke	0-1

MOISTURE ABSORPTION

Tested in an atmosphere of 65% relative humidity at 20°C in accordance with British Standard 2972.

The moisture content of *Insulation Solutions* products is less than 0.1% by volume.

MAXIMUM SERVICE TEMPERATURE

The maximum temperature to which *Ductflex* should be exposed in service. Maximum service temperature is 340°C.

DUCT SIZES

Ordering Code R1.0	Blanket Width (mm)	To Fit Duct Size (mm. diam.)
DF 1369S	690	150
DF 1386S	860	200
DF 13104S	1040	250
DF 13118S	1180	300
DF 131345S	1345	350
DF 1315S	1500	400
DF 13165S	1650	450
DF 13181S	1810	500
DF 13196S	1960	550

BIO-SOLUBILITY

The fibre used in this product is FBS-1 Bio-Soluble Glass Wool™ Insulation. This means that it dissolves in bodily fluids and is quickly cleared from the lungs. It complies with the test of short term

biopersistence in Note Q of [NOHSC: 10005 (1999)]. *Glass Wool* is classified as safe to use.



SUSTAINABILITY

Sustainability...measures that satisfy the needs of people today while enhancing the quality of life for future generations.

The demands on non-renewable resources for the production of energy are not sustainable without compromising the environment. Insulation, correctly specified and installed, is one of the most critical

products in improving energy efficiency and reducing the levels of greenhouse gas emissions.

Insulation Solutions is committed to providing environmentally sustainable products and utilises up to 70% recycled waste glass in the production of *Glass Wool* Insulation.

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