

DUCTWRAP

www.thermotec.com.au



Insulation has E-Volved!

Safe
Ecofriendly
100% Australian



thermotec australia Pty Ltd



THE COMPANY

Thermotec Australia Pty Ltd is a rapidly growing international group of companies, who specialise in the manufacture of polyethylene thermal insulation materials.

Thermotec Australia Pty Ltd was established in October 1987 and has since become a leading manufacturer of polyethylene foam including pipe insulation and roof/wall insulation products.

PRODUCT

DESCRIPTION

Thermotec Ductwrap is a flexible insulation wrap, specifically engineered to meet the requirements for external lagging of air conditioning ductwork. It consists of a low density, closed cell polyethylene foam, faced with an aluminium foil, available with adhesive backing. Also available without foil facing.

When used in conjunction with Thermotec's 4-Zero pipe insulation for hot and cold water pipes, Thermotec provides the complete pipe and ductwork insulation answer.

THICKNESS	WIDTH	ROLL LENGTH (nominal)
5mm	1000mm	50m
10mm	1000mm	50m
15mm	1000mm	25m
20mm	1000mm	25m

THERMAL CONDUCTIVITY

The Thermal Conductivity of Thermotec Ductwrap is 0.034 W/mK at a mean temperature of 20°C, in accordance with DIN 52613.

EARLY FIRE

HAZARD RATING

When tested in accordance with AS 1530.3 'Early Fire Hazard Properties of Materials', Thermotec Ductwrap has the following indices*.

Ignitability	0	Range 0-20
Spread of Flame	0	Range 0-10
Heat Evolved Index	0	Range 0-10
Smoke Evolved Index	0-1	Range 0-10

*Independent Testing Authority AWTA

MOISTURE ABSORPTION

When tested in accordance with DIN 53434 Thermotec Ductwrap absorbs <2% by volume after 28 days immersion.



OPERATING

TEMPERATURE RANGE

-40°C to 90°C

OZONE RESISTANCE

Excellent when tested in accordance with ASTM D1171.

HEALTH & SAFETY

There are no health hazards associated with Thermotec Ductwrap in normal use.

STORAGE

No special requirements.

SAMPLE SPECIFICATION

The Ductwork insulation shall be 'Ductwrap', manufactured by Thermotec Australia Pty Ltd, 168 Carrington Street, Revesby NSW 2212. It shall comprise a low density closed cell polyethylene foam, flame laminated if the thickness of insulation required exceeds 10mm and faced with an aluminium foil. The product shall be used in accordance with the manufacturer's written instructions.

PACKAGING

Thermotec Ductwrap is supplied in rolls, wrapped in polythene bags.



- Product is 100% Australian Made and is approximately 99% local content.
- Customised Computer Package available for designers to calculate optimum thickness of Ductwrap for given design requirements.

CUSTOMED COMPUTER PACKAGE

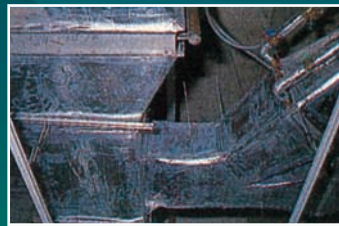
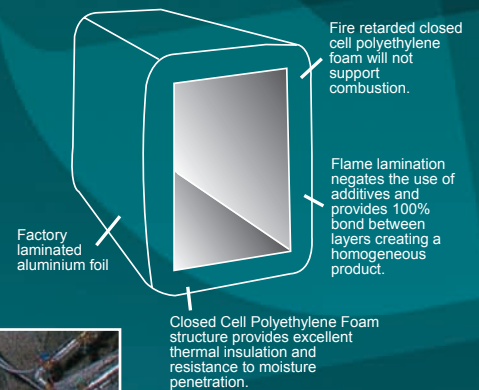
This additional benefit for Consulting Engineers and Insulation Designers has been developed exclusively for Thermotec and is a useful design aid to help the designer to select the most appropriate thickness of Ductwrap given a number of variables.

SUGGESTED APPLICATION METHOD

- The insulation shall be wrapped around the ductwork surface as tightly as possible and held in position using fixing pins at 400mm maximum centres.
- The insulation shall be installed with edges and ends tightly butted together.
- Where necessary insulation may be easily cut using sharp knife.
- All joints shall be taped using a 75mm pressure sensitive aluminium tape.
- When taping joints with aluminium tape (as previously described) ensure that the aluminium surfaces are free from grease and dust and that the tape is firmly applied to the surface, thus ensuring a continuous vapour barrier is achieved.

BENEFITS TO END USER & SPECIFIER IN USING THERMOTEC DUCTWRAP

- Completely free of all synthetic mineral fibres (SMFs) and therefore, no special clothing including respirators etc, is required.
- Thermotec Ductwrap is user friendly.
- Clean and completely safe to handle.
- Thermotec Ductwrap is an energy saving product.
- Because the closed cell structure is impervious to moisture no standing time is required for drying product prior to use.
- Ductwrap may be applied around the ductwork on site or alternatively fabricated off site and transported to site. Because of the materials natural resilience and good impact resistance it is easily transported without damage, thus reducing costly repairs to the product on site once installed.
- Provides excellent energy absorbing capability.
- Provides excellent insulation against heat loss and condensation.
- Deadens and absorbs airborne noise.
- Economical to use because low wastage is achieved due to a variety of sizes available to suit all applications.



WARRANTY NOTICE

Whilst all reasonable care is taken in compiling technical data relating to the company's products, all recommendations or suggestions regarding the use of such products are made without guarantee since the conditions of use are beyond the control of the company. It is the customer's responsibility to satisfy himself that the product is fit for the purpose for which he intends to use it and that the actual conditions of use are suitable. Further the company reserves the right to alter or amend the product without notice in such a way that will not adversely affect its intended purpose of application.



Chevron Hotel, Potts Point, Sydney



For additional technical information regarding any Thermotec material and for details of your nearest distributor/authorised contractor please contact:

Thermotec Australia Pty Ltd
ACN 003 205 605 ABN 77 003 205 605

Head Office & Factory
168 Carrington Street
Revesby NSW 2212
PO Box 5085 Milperra NSW 1891

Tel 1300 727 083
Tel (02) 9771 6400
Fax (02) 9771 6466
Web www.thermotec.com.au
Email info@thermotec.com.au

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