

# Insulco Cosyfloor

## Under floor insulation

### PRODUCT DESCRIPTION

Insulco Cosyfloor is manufactured from a special blend of Polyester fibres bonded together to produce a 100% polyester insulation.

Insulco Cosyfloor is labelled with R-values in accordance with AS/NZS 4859.1, it therefore complies with the requirements of the Building Code of Australia (BCA) for insulating suspended timber floors.



### APPLICATION

Insulco Cosyfloor is designed and pre-cut to fit between standard timber floor joists at 450mm centres. Cosyfloor is light weight and soft to handle, making for easy installation under suspended timber floors and between levels of multi-storey homes.

The method of installation will depend on whether it is a new home under construction or a retrofit application. See instructions on the pack.

Because Insulco Cosyfloor is made from polyester it is soft to handle, reducing the likelihood of skin irritation during installation.

The correct installation of Insulco Cosyfloor can effectively reduce heating and cooling energy costs. It will also help meet the 5 star energy efficiency requirements for suspended timber floors.

### QUALITY ASSURANCE

Insulco polyester products are manufactured using premium grade raw materials to produce quality products in accordance with International Quality

Assurance Standards. Polyester Batts also meet the BCA requirement of compliance with AS/NZS 4859.1.

### WARRANTY

Insulco polyester products are guaranteed to perform to the insulation product standard AS/NZS 4859.1 for

the lifetime of the building, when installed in accordance with AS3999.

### PHYSICAL PROPERTIES



R Value (m <sup>2</sup> K/W)	Size (mm)	Thickness (mm)	Rolls per pack	Area per roll (m <sup>2</sup> )	Coverage per pack (m <sup>2</sup> )
R1.5	10m x 450	80	2	4.5	9.0

- Compression packed rolls may take up to one month to regain to full thickness.
- To achieve the desired R-value, the product must be able to obtain the full thickness as stated in the table above.

### FIRE RESISTANCE

The following results were obtained when white Insulco polyester was subjected to Early Fire Hazard Tests in accordance with AS1530.3

- Ignitability Index 0
- Spread of Flame 0
- Heat Evolved 0
- Smoke Developed 0-1

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### TEMPERATURE RANGE

Insulco polyester products are manufactured for use at temperatures that are normally experienced in building systems.

Insulco Polyester service temperature ranges from sub-zero to a maximum of 160°C.

### MOISTURE RESISTANCE

In the event Insulco polyester products become wet, they should be dried prior to installation to obtain maximum performance and prevent damage to other building elements.

Insulco polyester products absorb less than 0.2% moisture by volume when exposed to environmental conditions of 50°C and 95% relative humidity for four days.

### INFESTATION

Resistant to fungi, bacteria and vermin.

Does not harbour or sustain the growth of fungi, bacteria or vermin.

### ALKALINITY

The following result was obtained when Insulco polyester products were tested for alkalinity in accordance with BS 3958.5.

pH between 6 - 8 (pH7 is neutral)

### CORROSION RESISTANCE

When Insulco polyester products are installed in contact with metal in such a way to prevent contamination from external sources, Insulco polyester

does not cause or accelerate corrosion with steel, copper or aluminium.

### CAPILLARITY

The following level of capillarity was observed when Insulco polyester is stood on end in a container of water.

Negligible after 24 hours.

### SAMPLE SPECIFICATION

The insulation material shall be Insulco R1.5 m<sup>2</sup>K/W Cosyfloor as manufactured by Tasman Insulation Australia.

### SUBFLOOR VENTILATION

Insulating suspended timber floors with Cosyfloor will stabilise the temperature of the subfloor area, thereby reducing the potential for moisture to be drawn up from the ground in winter conditions, which would adversely affect the flooring.

However, consideration must be taken to ensure that subfloor ventilation is maintained as per AS/NZS 1860 or the recommendations of particle board and timber flooring manufacturers.

\* Tasman Insulation Australia Pty Ltd retains the right to change products and specifications without prior notification. If a specification is critical to end use, please consult Tasman Insulation. 0507



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