

# Insulco Polyester Batts

## R-Rated Insulation Batts

### PRODUCT DESCRIPTION

Insulco Polyester Batts are manufactured from a special blend of Polyester fibres bonded with low melt fibre to produce a 100% polyester insulation.

Insulco Polyester Batts are labelled with R-values in accordance with AS/NZS 4859.1, they therefore comply with the requirements of the Building Code of Australia (BCA) for use in new homes.



### APPLICATION

Insulco Polyester Batts are designed and pre-cut to fit in 99% of ceiling joist and wall stud spacings. They are light weight and soft to handle, making for easy installation in walls, ceilings and under floors.

An extensive range of R-values are available to suit any type of building design and climatic condition.

Insulco Polyester Batts are soft to handle, reducing the likelihood of skin irritation during installation.

The correct installation of Insulco Polyester Batts can effectively reduce heating and cooling energy costs by up to 50%, hence helping to reduce the 'greenhouse' effect and save the environment.

### 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 Batts 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)	Batts per pack	Area per Pack (m <sup>2</sup> )	Coverage per Pack (m <sup>2</sup> )
R1.5	1160 x 430	80	16	8.0	9.0
	1160 x 580	80	16	10.8	12.2
R2.0	1160 x 430	110	8	4.0	4.5
	1160 x 580	110	8	5.4	6.1
R2.5	1160 x 430	165	8	4.0	4.5
	1160 x 580	165	8	5.4	6.1
R3.0	1160 x 430	190	6	3.0	3.4
	1160 x 580	190	6	4.0	4.5
R3.5	1160 x 430	190	6	3.0	3.4
	1160 x 580	190	6	4.0	4.5

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

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### **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

### **TEMPERATURE RANGE**

Insulco Polyester Batts 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 of Insulco Polyester Batts becoming wet, they should be dried prior to installation to obtain maximum performance and prevent damage to other building elements.

Insulco Polyester absorbs 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 was tested for alkalinity in accordance with BS 3958.5.

pH between 6 - 8 (pH7 is neutral)

### **CORROSION RESISTANCE**

When Insulco Polyester is 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 R..... m<sup>2</sup>K/W Polyester Batts as manufactured by Tasman Insulation.

\* Fletcher Insulation (NSW) Pty Ltd retains the right to change products and specifications without prior notification. If a specification is critical to end use, please consult Fletcher Insulation.

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