



# POLYESTER SOLUTIONS

MANUFACTURES OF  
• INSULATION • BONDED WADDING  
• FILTER MEDIA • NEEDED FELT

## POLYESTER SOLUTIONS UNDERFLOOR INSULATION

### Product Description

Polyester Solutions Under Floor Insulation is 100% polyester thermal insulation rolls, precut to fit new and existing exposed timber joist floors.

### Applications

Polyester Solutions Under floor insulation is designed for the thermal insulation of existing and new timber framed buildings in accordance with Energy Efficiency requirements of the Building Code of Australia. To ensure code compliance, Polyester Solutions recommends that Architects and building designers consult the relevant Australian Standards before specifying thermal insulation products.

Polyester Solutions Under floor insulation will support and assist in meeting the following provisions of the NCC/ BCA: NCC/BCA Volume One - Class 2-9 Buildings Section J - Energy Efficiency: Performance requirement JP1 Section F - Health and Amenity, Sound Transmission and Insulation. Performance requirement FP5.1 and FP5.4

NCC/BCA Volume Two - Class 1 and Class 10 Buildings Part 2.6 -Energy Efficiency: Performance requirement P2.6.1 Part 3.8.6

### Standard Sizes and Packaging

PRODUCT	NOMINAL THICKNESS (mm)	DIMENSIONS (mm)	ROLLS PER PACK	m <sup>2</sup> /PACK
R1.5 RollForm	90mm	450mm x 10mtrs	2	9.0m <sup>2</sup>
R2.0 RollForm	110mm	450mm x 10mtrs	2	9.0m <sup>2</sup>
R2.5 RollForm	150mm	450mm x 8mtrs	2	7.2m <sup>2</sup>
R3.0 RollForm	180mm	450mm x 8mtrs	2	7.2m <sup>2</sup>
R3.5 RollForm	200mm	450mm x 6mtrs	2	5.4m <sup>2</sup>
R4.0 RollForm	220mm	450mm x 6mtrs	2	5.4m <sup>2</sup>



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### Fire Resistance

When tested in accordance with AS1530.3 (1999), "Early Fire Hazard Properties of Materials", PSB exhibit the following characteristics:

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

### Moisture Resistance

Exposure to an atmosphere of 50°C and 95% relative humidity for 4 days results in less than 0.2% by vol moisture absorption.

### Maximum Service Temperature

The maximum temperature to which Polyester Solutions underfloor insulation should be exposed in service is 150°C.

### Environmental and Health Benefits

Recycled Fiber Content	80%
minimum Volatile Organic Compounds (VOC's)	No harmful
VOC's Formaldehyde Content	Nil
Phenol Content	Nil
Ammonia Content	Nil
Ozone Depleting Potential (ODP)	Nil
Chloride Content	Nil
Total Recyclable Content	100%

### How to Specify

The insulation material shall be Polyester Solutions Under floor insulation

### General Installation Advice

Polyester Solutions recommends that all thermal and acoustic insulation be installed in accordance with the manufacturer's instructions (included on each pack) and AS 3999:1992 Thermal Insulation of Dwellings - Bulk insulation, installation requirements.

### Testing

All testing was conducted in a laboratory situation. On-site results may vary due to site conditions and quality of installation. Thermal testing is done in accordance with AS/NZS 4859.1 (Materials for the thermal insulation of buildings - General criteria and technical provisions). As these products are constantly being researched and developed, we reserve the right to update these specifications without notice.