



# *Acoustic / Thermal Polyester Insulation*

## *Premium quality - Adelaide made*

### *Product Overview*

#### *Description*

Premium quality **Adelaide** made polyester batts for high performance acoustic and thermal insulation needs in residential, social venue, commercial and industrial soundproofing applications.

#### *Quality Assured*

Air Diffusion Battts are made to the highest standards and comply with the building code of Australia AS/NZS4859.1

#### *Ratings and sizes*

<b>R-Value</b> (m2K/W)	<b>Batt Size</b>	<b>Batts/pack M2</b>		<b>Density</b> <b>kg</b>	<b>NRC</b>
R2.0	1170 x 580 x 90	8	5.42	20	0.95
R2.0	1170 x 430 x 90	8	4.02		
R2.5	1170 x 580 x 90	6	4.07	28	1.00
R2.5	1170 x 430 x 90	6	3.02		
<b>R2.5/32</b>	<b>1170 x 580 x 90</b>	<b>5</b>	<b>3.39</b>	<b>32</b>	<b>1.00</b>

#### *Fire Resistance*

When tested in Accordance to AS1530 Part 3. Air Diffusion Agencies products meet these requirements.

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

#### *Applications*

- Behind perforated panels, ceilings and acoustic systems to reduce the echo in halls, cinemas, plantroom and HVAC equipment.
- Cavity infill to reduce low frequency noise transfer through partitions, walls, home theatre rooms, entertainment areas and floors.
- Reduce flanking noise through ceiling cavities and suspended ceilings.



ABN 32 768 939 131

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### *Physical Description*

**Properties:** non-allergenic, low irritant, low flame response and resilient

**Environmental:** Very good environmentally as much of the raw materials used in the manufacture is recycled material P.E.T packaging such as plastic bottles. No ozone depleting or harmful materials used in the manufacture.

**Melting Point:** 250c

**Maximum Service Temp:** 150c

**Flammability:** Non-flammable and complies with the building code of Australia

**Moisture Absorption:** Exposed to an atmosphere of 50c, 90% RH for four days gives moisture absorption of less than 0.03% by volume

**Ingredients:** Organic, Long Chain Synthetic Polymer

**Chemical Entity:** Composed of Carbon-Hydrogen Oxygen

**Alkalinity:** pH 7.8 (pH 7 is neutral)

**Corrosiveness:** The product is not classified as corrosive

**Percentage Volatilizes:** No harmful (VOC) volatile organic components



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