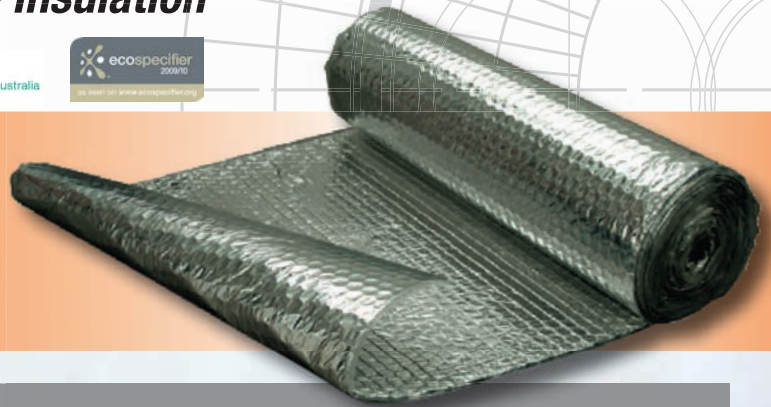


# polyair™ Ultra

## Reflective Insulation



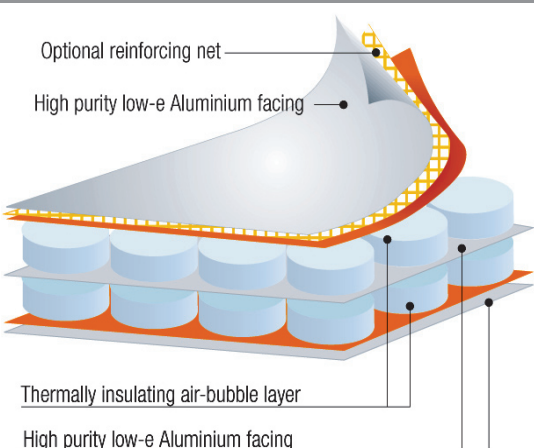
3x layers of highly reflective aluminium foil covering a double core layer of large polyethylene bubble film. Available with copper anti-glare.



### Technical Specification

<b>Product</b>	Polyair Ultra	<b>Roll Size</b>	1.2m x 20m	<b>Roll Diameter</b>	650mm
<b>Thickness</b>	16mm	<b>Coverage</b>	24m <sup>2</sup>	<b>Roll Weight</b>	10Kg
<b>Property</b>	<b>Value</b>	<b>Standard</b>	<b>Testing Authority</b>		
Reflective Performance - Silver	reflects 97% radiant heat	ASTM E408	University of Western Australia		
Reflective Performance - Copper	reflects 95% radiant heat	ASTM E408	University of Western Australia		
Infra-Red Emittance - Silver	0.03 emittance	ASTM E408	University of Western Australia		
Infra-Red Emittance - Copper	0.05 emittance	ASTM E408	University of Western Australia		
R-Value Calculations	Refer over page	AS/NZS 4859.1/Amdt 1 2006	James M. Fricker Pty Ltd		
Material Thermal Resistance	0.41 m <sup>2</sup> /K/W	ASTM C 518	R&D Services, Inc		
Dry Delamination	PASS	AS/NZS 4201.1	CSIRO		
Wet Delamination	PASS	AS/NZS 4859.1 (App I)	CSIRO		
Surface Corrosion	PASS	AS/NZS 4859.1 (App I)	CSIRO		
Fire - BCA Classification	Group 1	AS/NZS 3837:1998	AWTA Product Testing		
Fire - Ignitability Index	0 - PASS	AS/NZS 1530.3	AWTA Product Testing		
Fire - Spread of Flame Index	0 - PASS	AS/NZS 1530.3	AWTA Product Testing		
Fire - Heat Evolved Index	0 - PASS	AS/NZS 1530.3	AWTA Product Testing		
Fire - Smoke Developed Index	0 - 1PASS	AS/NZS 1530.3	AWTA Product Testing		
Fire - Flammability Index	1 - PASS	AS/NZS 1530.2	CSIRO		
Tensile Strength	15Kg per cm <sup>2</sup>	ASTM C1136	SGS U.S. Testing Company Inc.		
Vapour Transmission	0.018 perms	ASTM E96 (Method A)	SGS U.S. Testing Company Inc.		
Fungal Growth	Nil	ASTM C1338	SGS U.S. Testing Company Inc.		

### Structure of Insulation



### Quality Management System

Polyair products are designed and manufactured under control of a Quality Management System, which meets the requirements of ISO 9001:2000 as certified by:



### Features and Benefits



Eco-Friendly



Cost Effective



Multi Layer Technology



High Performance

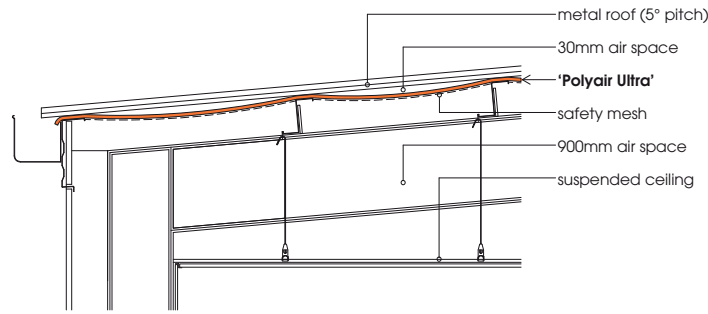


Safe to Handle



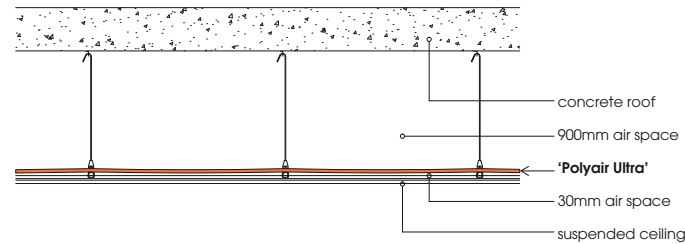
Water Proof

**Commercial Metal Roof with Ceiling**



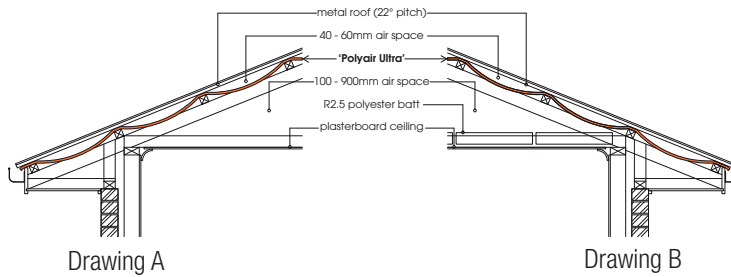
<b>WINTER</b>	<b>SUMMER</b>
$R_T 1.61$	$R_T 4.56$

**Commercial Concrete Roof with Ceiling**



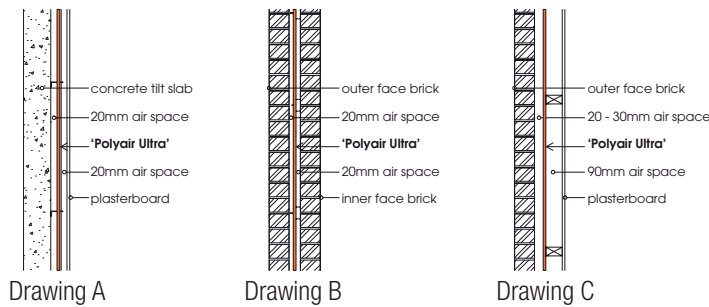
$R_T 1.77$	$R_T 3.97$
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**Residential Metal Roof with Ceiling**



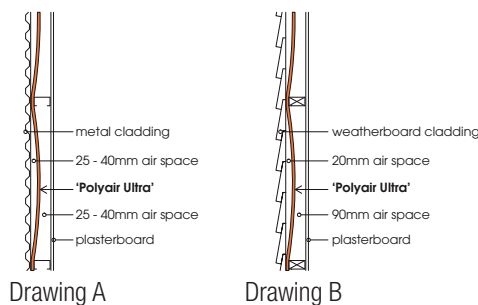
Drawing A	$R_T 1.5$	$R_T 3.0$
Drawing B	$R_T 4.0$	$R_T 5.5$

**Masonry Walls**



Drawing A	$R_T 2.2$	$R_T 2.0$
Drawing B	$R_T 2.3$	$R_T 2.2$
Drawing C	$R_T 2.4$	$R_T 2.2$

**Lightweight Walls**



Drawing A	$R_T 2.2$	$R_T 1.9$
Drawing B	$R_T 2.2$	$R_T 2.0$

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AUSTRALIA

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The contribution of this product to the Total R-Value depends on the installation and environmental conditions. The values shown are Total R-Values for the building system, calculated using Reflect 3 computer software validated by James M Fricker MIE Aust MAIRAH CPEng and are based on installed product service in accordance with AS/NZS 4859.1:2002. Verified by R&D Services Inc. Refer to the Polyair technical manual or website for further details.

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