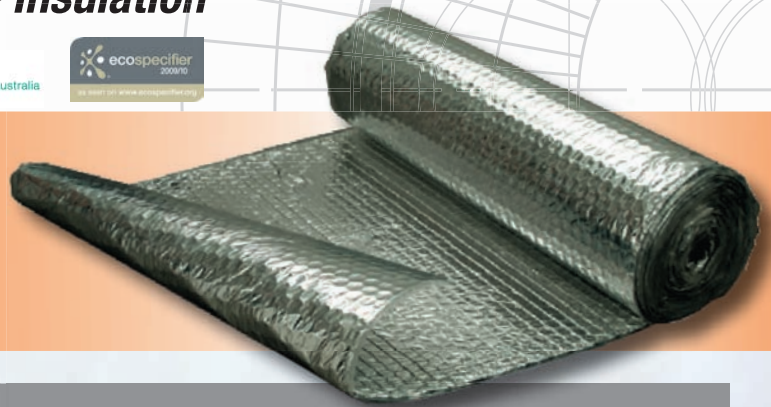


polyair™ Ultra

Reflective Insulation



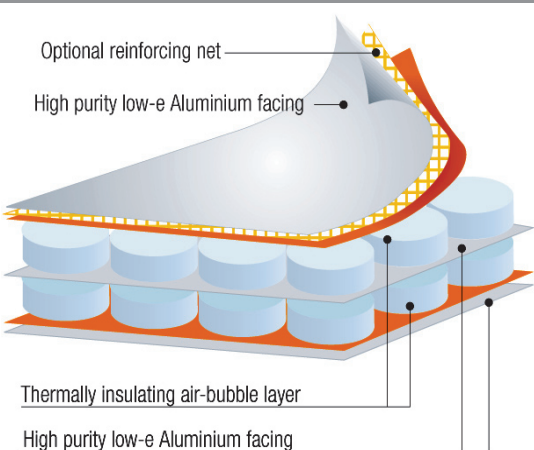
3x layers of highly reflective aluminium foil covering a double core layer of large polyethylene bubble film. Available with copper anti-glare.



Technical Specification

Product	Polyair Ultra	Roll Size	1.2m x 20m	Roll Diameter	650mm
Thickness	16mm	Coverage	24m ²	Roll Weight	10Kg
Property	Value	Standard	Testing Authority		
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 ² /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 ²	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

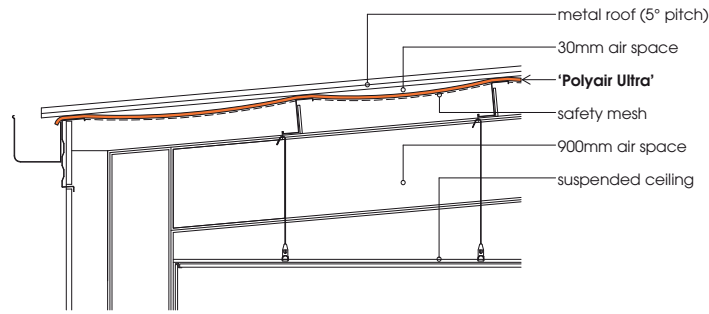


Safe to Handle



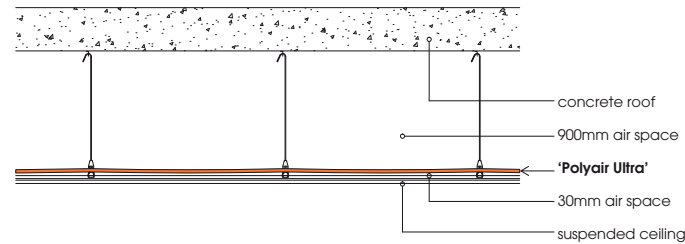
Water Proof

Commercial Metal Roof with Ceiling



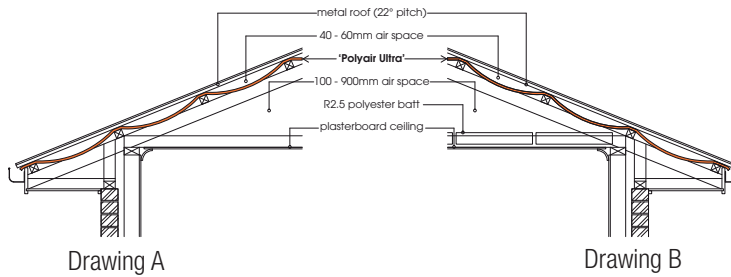
WINTER	SUMMER
$R_T 1.61$	$R_T 4.56$

Commercial Concrete Roof with Ceiling



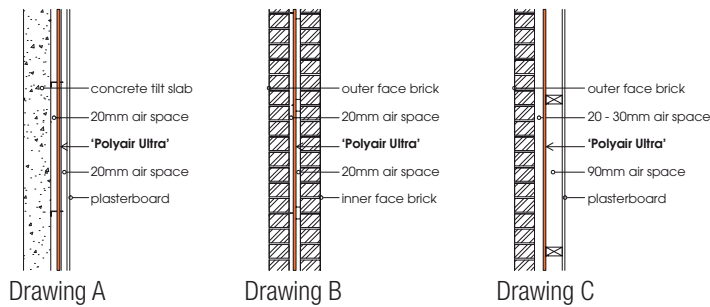
$R_T 1.77$	$R_T 3.97$
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Residential Metal Roof with Ceiling



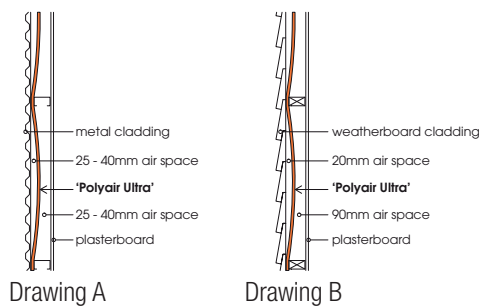
Drawing A	$R_T 1.5$	$R_T 3.0$
Drawing B	$R_T 4.0$	$R_T 5.5$

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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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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