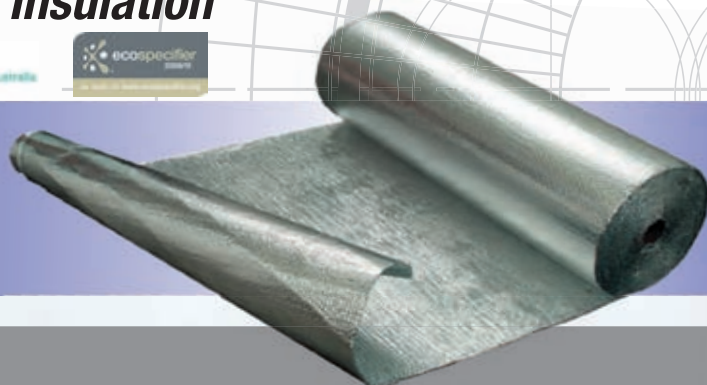


polyair™ Super

Reflective Insulation



2x layers of highly reflective aluminium foil covering a single core layer of small polyethylene bubble film. Available with copper anti-glare.



Technical Specification

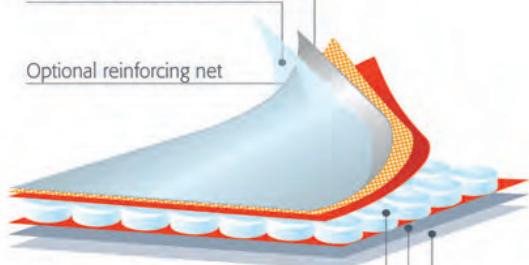
Product	Polyair Super	Roll Size	1.2m x 30m 1.2 x 60m	Roll Diameter	390mm 560mm
Thickness	4.5mm	Coverage	36m ² 72m ²	Roll Weight	10kg 18Kg
Property	Value	Standard	Testing Authority		
Reflective Performance - Silver	reflects 97% radiant heat	ASTM E408	University of Western Australia		
Reflective Performance - 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	0.13 m ² K/W	ASTM C 518	R&D Services, Inc		
Material Thermal Resistance with 5mm double sided thermal tape	0.23 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	5 - PASS	AS/NZS 1530.2	CSIRO		
Tensile Strength	10kg 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

High purity low-e Aluminium facing

HR = Anti-corrosion treatment

Optional reinforcing net



Thermal insulating air-bubble layer

High purity low-e Aluminium facing

HR = Anti-corrosion treatment

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

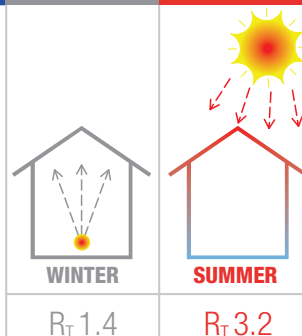
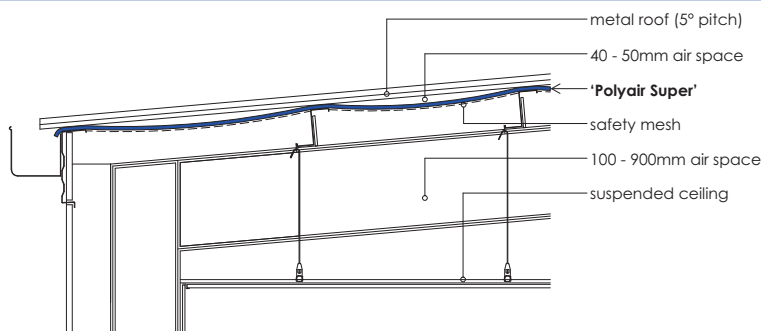


Safe to Handle

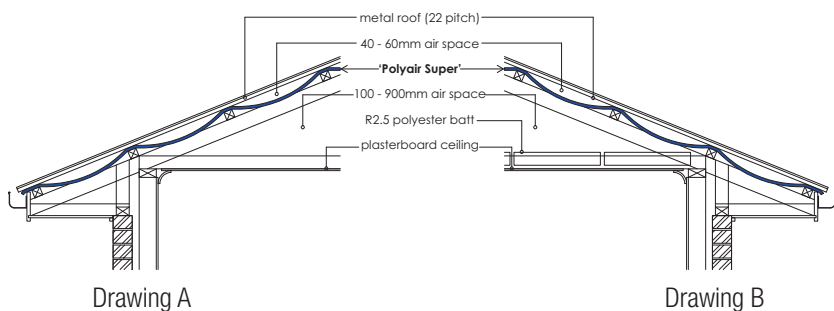


Water Proof

Commercial Metal Roof with Ceiling



Residential Metal Roof with Ceiling



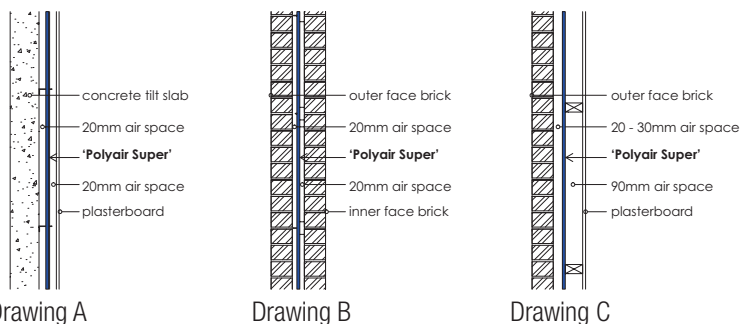
Drawing A $R_T 1.2$

Drawing B $R_T 3.7$

$R_T 2.7$

$R_T 5.2$

Masonry Walls



Drawing A $R_T 1.9$

Drawing B $R_T 2.0$

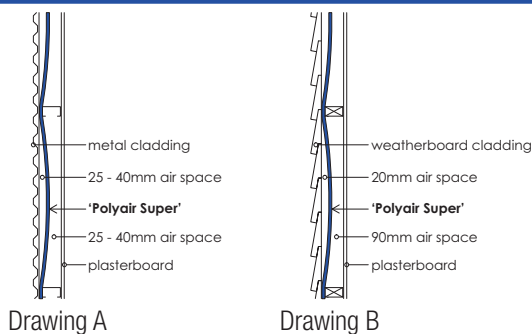
Drawing C $R_T 2.1$

$R_T 1.7$

$R_T 1.9$

$R_T 1.9$

Lightweight Walls



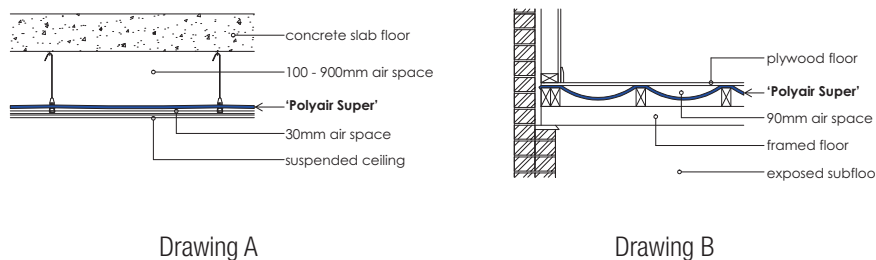
Drawing A $R_T 1.9$

Drawing B $R_T 1.9$

$R_T 1.6$

$R_T 1.7$

Floors



Drawing A $R_T 1.4$

Drawing B $R_T 0.9$

Summer $R_T 3.1$

Winter $R_T 2.4$

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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.