



'Superior Insulation Systems'

NEW HOMES | COMMERCIAL BUILDINGS | SHEDS



SAVE ON HEATING AND COOLING COSTS

BCA and BAL fire compliant | Significantly improve energy efficiency | Non Allergenic

EnviroStar

Why Choose Envirostar?

EnviroStar

Choice Building Products Envirostar Insulations offer application versatility, advanced thermal performance, and safety.

With uses in both residential and commercial applications our EnviroStar **CAVITYSHIELD**, **CAVITYSHIELD PLUS** & **THERMALBREAK**, insulation is lightweight, safe to handle, easy to install (with an anti-glare facing) and cost effective.

An excellent alternative to traditional bulk insulations.

Features and Benefits

- ✓ Reduces heat entering in summer and escaping in winter
- ✓ Insulator and noise barrier
- ✓ Dust free
- ✓ Non allergenic
- ✓ Contains no hazardous fibres
- ✓ Low cost
- ✓ Lightweight
- ✓ Easy to install
- ✓ Suitable for a variety of applications.

PRODUCT IDENTIFIER	Product code:
Self Adhesive Spacer Blocks (Bags of 50)	D700
Reinforced Aluminium Tape 48mm x 50m	J382
Reinforced Aluminium Tape 72mm x 50m	J384

Specifications

PRODUCT IDENTIFIER ENVIROSTAR CAVITYSHIELD 4.0 Product code: D500 & D520 Roll size: 1.35m x 11m 1.55m x 11m Thickness: 4.0mm Ideal for use in double brick cavities	PRODUCT IDENTIFIER ENVIROSTAR CAVITYSHIELD 6.0 Product code: D200 Roll size: 1.35m x 22.25m Thickness: 6.0mm Ideal for use in double brick cavities	PRODUCT IDENTIFIER ENVIROSTAR CAVITYSHIELD PLUS Product code: D300 Roll size: 1.35m x 22.25m Thickness: 6.0mm Suitable for use in bushfire prone area	PRODUCT IDENTIFIER ENVIROSTAR THERMALBREAK Product code: D400 Roll size: 1.35m x 22.25m Thickness: 8.0mm Suitable for use as a thermal break in steel frame construction Suitable for use in bushfire prone area
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PRODUCT PERFORMANCE COMPLIES WITH BOTH AS/NZS 4859.1:2018 AND AS/NZS 4200.1:2017				
PERFORMANCE CRITERIA	CAVITYSHIELD 4.0	CAVITYSHIELD 6.0	CAVITYSHIELD PLUS	THERMALBREAK
Flammability	>5 high	>5 high	≤5 low	≤5 low
Declared Thermal Resistance at 23°C	0.10	0.16	0.16	0.21
Emittance	Silver Face - 0.05 Reflective Anti-Glare Face - 0.12 Semi-Reflective	Silver Face - 0.05 Reflective Anti-Glare Face - 0.12 Semi-Reflective	Silver Face - 0.05 Reflective Anti-Glare Face - 0.12 Semi-Reflective	Silver Face - 0.05 Reflective Anti-Glare Face - 0.12 Semi-Reflective
Vapour Transmission	Class 2 Vapour Barrier	Class 2 Vapour Barrier	Class 2 Vapour Barrier	Class 2 Vapour Barrier
Dry Delamination	Pass	Pass	Pass	Pass
Wet Delamination	Pass	Pass	Pass	Pass
Shrinkage	≤ 0.05%	≤ 0.05%	≤ 0.05%	≤ 0.05%
Electrical Conductivity	Conductive	Conductive	Conductive	Conductive
Duty Rating	Light Wall	Light Wall	Heavy Duty	Heavy Duty



Residential & Commercial Solutions

'The High performance and economical value of the **CAVITYSHIELD 4.0 & 6.0** products make them the preferred choice of most builders for use in a double brick cavity. This scenario under the BCA has no performance requirement for flammability as the two masonry walls provide adequate fire protection for the insulation. The more advanced **CAVITYSHIELD PLUS** and **THERMALBREAK** products have been designed to cover all other scenarios and comply both with the BCA and bushfire BAL requirements, giving you both exceptional performance and peace of mind. Following are some of the common Western Australian scenarios you may consider it's use for.'

<p>Labels: SPACER, CELLULAR FOIL INSULATION, WALL TIE, EXTERNAL, INTERNAL, CAVITY BRICKWORK</p> <p>Dimensions: 110, 50, 90</p>	<h3>DOUBLE BRICK</h3> <ol style="list-style-type: none">110mm external brick wall20mm reflective air gap either side of insulation90mm internal brick wall10mm Plasterboard or render <p>Plus a choice of one of the following</p> <table><thead><tr><th colspan="2">CAVITYSHIELD 4.0</th><th colspan="2">CAVITYSHIELD 6.0</th><th colspan="2">CAVITYSHIELD PLUS</th><th colspan="2">THERMALBREAK</th></tr></thead><tbody><tr><td>R1.9</td><td>R1.7</td><td>R2.0</td><td>R1.8</td><td>R2.0</td><td>R1.8</td><td>R2.1</td><td>R2.0</td></tr><tr><td>Winter</td><td>Summer</td><td>Winter</td><td>Summer</td><td>Winter</td><td>Summer</td><td>Winter</td><td>Summer</td></tr></tbody></table>	CAVITYSHIELD 4.0		CAVITYSHIELD 6.0		CAVITYSHIELD PLUS		THERMALBREAK		R1.9	R1.7	R2.0	R1.8	R2.0	R1.8	R2.1	R2.0	Winter	Summer	Winter	Summer	Winter	Summer	Winter	Summer
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Winter	Summer	Winter	Summer	Winter	Summer	Winter	Summer																		
<p>Labels: BRICKWORK, CELLULAR FOIL INSULATION, STUD WALL, EXTERNAL, INTERNAL, REFLECTIVE AIR SPACE</p> <p>Dimensions: 110, 50, 90</p>	<h3>BRICK VENEER</h3> <ol style="list-style-type: none">110mm external brick wallMinimum 20mm reflective air gap either side of insulation90mm internal stud wall10mm Plasterboard <p>Plus a choice of one of the following (<i>Cavityshield not suitable</i>)</p> <table><thead><tr><th colspan="2">CAVITYSHIELD 4.0/6.0</th><th colspan="2">CAVITYSHIELD PLUS</th><th colspan="2">THERMALBREAK</th></tr></thead><tbody><tr><td colspan="2" rowspan="2">Not Suitable</td><td>R1.9</td><td>R1.7</td><td>R2.0</td><td>R1.8</td></tr><tr><td>Winter</td><td>Summer</td><td>Winter</td><td>Summer</td></tr></tbody></table>	CAVITYSHIELD 4.0/6.0		CAVITYSHIELD PLUS		THERMALBREAK		Not Suitable		R1.9	R1.7	R2.0	R1.8	Winter	Summer	Winter	Summer								
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Not Suitable		R1.9	R1.7	R2.0	R1.8																				
		Winter	Summer	Winter	Summer																				
<p>Labels: EXTERNAL CLADDING, 40mm COUNTER BATTENS, CELLULAR FOIL INSULATION, STUD WALL, EXTERNAL, INTERNAL, REFLECTIVE AIR SPACE</p> <p>Dimension: 75</p>	<h3>STUD WALL</h3> <ol style="list-style-type: none">External cladding40mm counter battensMinimum 20mm reflective air gap either side of the insulation75mm internal stud wall10mm Plasterboard lining <p>Plus a choice of one of the following (<i>Cavityshield not suitable</i>)</p> <table><thead><tr><th colspan="2">CAVITYSHIELD 4.0/6.0</th><th colspan="2">CAVITYSHIELD PLUS</th><th colspan="2">THERMALBREAK</th></tr></thead><tbody><tr><td colspan="2" rowspan="2">Not Suitable</td><td>R1.7</td><td>R1.6</td><td>R1.8</td><td>R1.7</td></tr><tr><td>Winter</td><td>Summer</td><td>Winter</td><td>Summer</td></tr></tbody></table>	CAVITYSHIELD 4.0/6.0		CAVITYSHIELD PLUS		THERMALBREAK		Not Suitable		R1.7	R1.6	R1.8	R1.7	Winter	Summer	Winter	Summer								
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STEEL ROOF COVER

CELLULAR FOIL INSULATION

METAL ROOF

1. Metal roof 22.5° pitch
2. Wind Driven Ventilators*
3. 40mm reflective airgap
4. Ventilated Attic Space
5. 10mm Plasterboard

Plus a choice of one of the following (*Cavityshield not suitable*)

CAVITYSHIELD 4.0/6.0	CAVITYSHIELD PLUS		THERMALBREAK	
Not Suitable	R2.6	R1.2	R2.7	R1.3
	Winter	Summer	Winter	Summer

TILED ROOF COVER

CELLULAR FOIL INSULATION

TILED ROOF

1. Tiled roof 22.5° pitch
2. Wind Driven Ventilators*
3. 40mm reflective air gap
4. Ventilated Attic Space
5. 10mm Plasterboard

Plus a choice of one of the following

CAVITYSHIELD 4.0/6.0	CAVITYSHIELD PLUS		THERMALBREAK	
Not Suitable	R2.2	R1.0	R2.3	R1.1
	Winter	Summer	Winter	Summer

CONCRETE PANEL

EXTERNAL

INTERNAL

CELLULAR FOIL INSULATION FIXED WITH CLIP AND FURRING CHANNEL

PLASTERBOARD LINING

REFLECTIVE AIR SPACES

150

CONCRETE TILT PANEL

1. 150mm concrete panel
2. 20mm Reflective air gap either side of insulation
3. 10mm Plasterboard

Plus a choice of one of the following

CAVITYSHIELD 4.0/6.0	CAVITYSHIELD PLUS		THERMALBREAK	
Not Suitable	R2.0	R1.8	R2.1	R1.9
	Winter	Summer	Winter	Summer

TOTAL R-VALUE ASSUMPTIONS

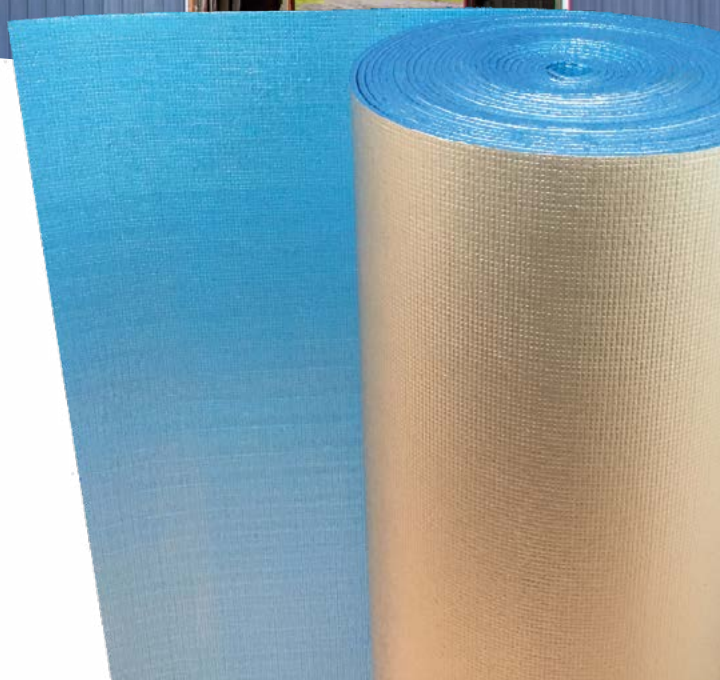
* A ventilated roof space increases the performance of all reflective insulations, refer to the BCA 3.12.1.2(b)(ii) for a full explanation. The contribution of **CAVITYSHIELD PLUS** and **THERMALBREAK** to a total R-Value depends on the installation and environmental conditions. An accumulation of dust on the upward facing surface will reduce the total R-value for roof applications. For wall cavities, the assumption is there are still parallel air gaps and the membrane is continuous.



Shed Solutions

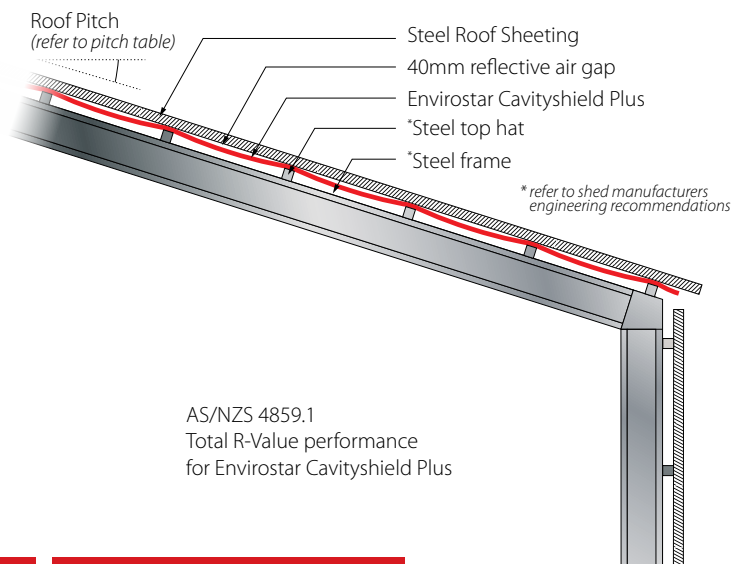
The great aussie shed often gets converted for use later on into a games room, office, workshop or man cave which makes it important to install a quality insulation at the time of construction and create a comfortable environment.

The **CAVITYSHIELD PLUS** and **THERMALBREAK** products offer a superior performing solution, specifically designed for West Australian conditions to keep your shed cooler in summer and warmer in winter. Choice Building Products is a well established local company and extensively tests its products to ensure compliance to both the BCA and Bushfire BAL requirements giving you not only a superior insulation but also peace of mind.



Thermal Calculation Results for CAVITYSHIELD PLUS

SHED ROOF PITCH (no ceiling)	HEAT FLOW UP (winter)	HEAT FLOW DOWN (summer)
	Outdoor temperature: 12°C	Outdoor temperature: 36°C
1° - 2° pitch	R, 0.8	R, 1.7
3° - 11° pitch	R, 0.8	R, 1.6
12° - 19° pitch	R, 0.8	R, 1.5
20° - 25° pitch	R, 0.8	R, 1.4



INSULATION COMPLIANCE



- ✓ AS/NZS 4859.1
- ✓ AS/NZS 4200.1

BCA FIRE COMPLIANCE

- ✓ AS 1530.2
- ✓ AS 1530.3

BUSHFIRE BAL COMPLIANCE

- ✓ AS 3959
- ✓ AS 1530.2

EnviroStar

Building Products
Choice
Building Products



The Envirostar CAVITYSHIELD and THERMALBREAK products reflect radiant heat from the special antiglare surface whilst the engineered foam inside creates a barrier that reduces heat transfer to the inner silver foil surface.

The products are designed and manufactured specifically for the West Australian climate and comply with BCA requirements with the **CAVITYSHIELD** products giving best value for double brick cavities and the **CAVITYSHIELD PLUS** or **THERMALBREAK** products rounding out the range and suitable for every other application.

ORDER BEFORE 3pm for NEXT DAY DELIVERY

100% Peace of Mind Guarantee:

All products comply with the relevant Australian Standards and are guaranteed to be free from defects

Why Choose
Choice Building Products

DISTRIBUTED BY



**Best Price
In Perth**



**Prompt
Delivery**



**Delivered On Time
or it's FREE!***



**100% Money Back
Guarantee**



**Designed Exclusively for the
Harsh WA Climate**



**Keep it local supporting WA
Business**

*If the product is in stock, paid for and requested as an urgent Perth metro delivery.

V. 05.03.2020