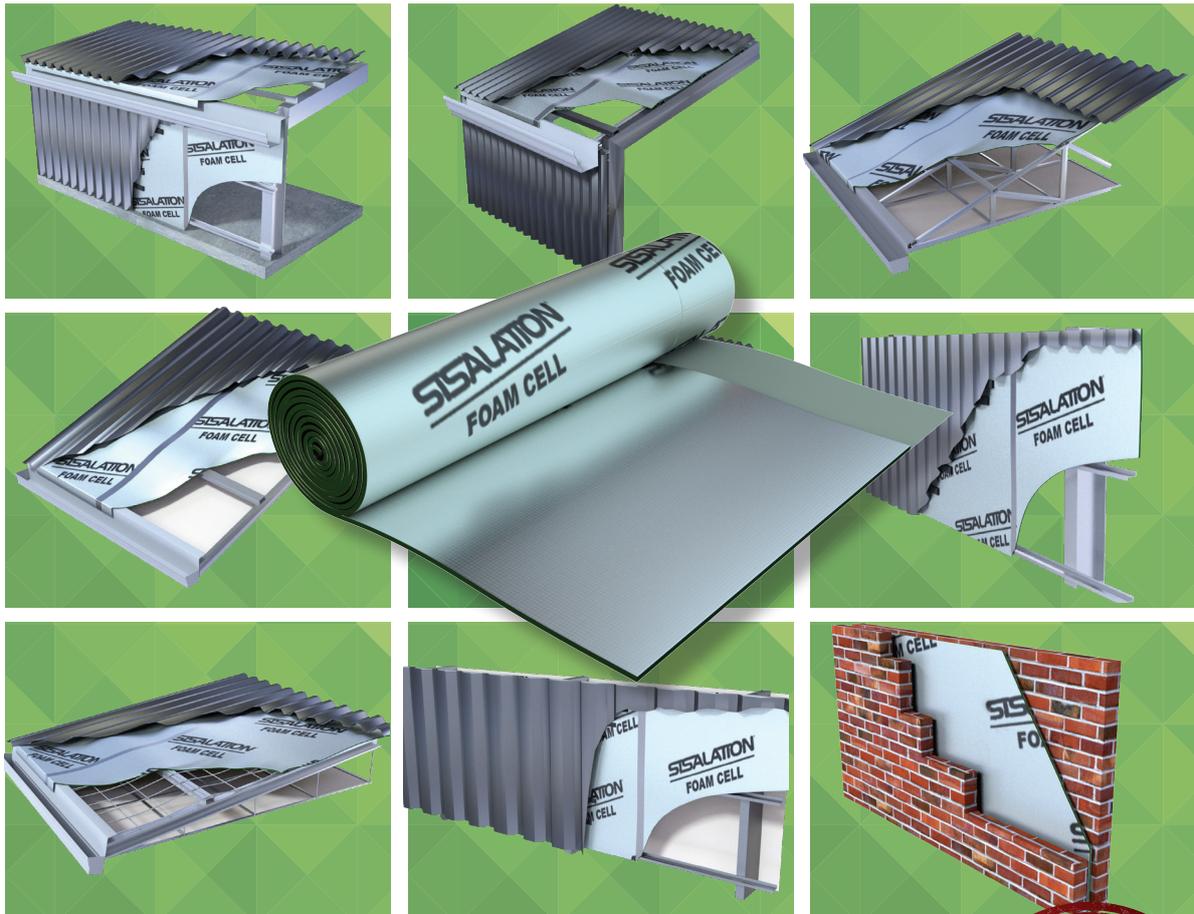




SISALATION[®]
FOAM CELL

MULTIPURPOSE

The compliant choice each and every time



- 3-IN-1 MULTIPURPOSE SOLUTION :
INSULATION + THERMAL BREAK + VAPOUR BARRIER
- SUITABLE FOR A WIDE RANGE OF COMMERCIAL AND
RESIDENTIAL BUILDING APPLICATIONS
- REFLECTS UP TO 95% RADIANT HEAT FLOW, ALLOWING FOR
COOLER INTERNAL CONDITIONS IN HOT, HUMID CLIMATES
- AIDS IN THE PREVENTION OF CONDENSATION
- BAL COMPLIANT (ROOFS 0 - 40) (WALLS 0 - FZ)
- AND MORE.....



Fletcher[®]
Insulation

Building Better, Together.

www.insulation.com.au

info@insulation.com.au

1300 654 444

FOAM CELL MULTIPURPOSE, BY SISALATION®, IS A REFLECTIVE INSULATION INCORPORATING A CLOSED CELL FOAM CORE ENCAPSULATED BETWEEN AN UPPER AND LOWER LAYER OF REFLECTIVE FOIL LAMINATE.

AN ANTI-GLARE COATING IS APPLIED TO ONE SIDE OF THE COMPOSITE TO REDUCE THE LEVEL OF GLARE EXPERIENCED DURING INSTALLATION.

Suitable for use in a vast array of residential and commercial applications, Foam Cell MULTIPURPOSE provides excellent insulation properties as it reflects up to 95% of the sun's radiant heat thereby allowing for cooler internal conditions.

Foam Cell MULTIPURPOSE also achieves a Material R-value of R0.2 deeming it suitable for use as a thermal break for steel framed constructions in accordance with National Construction Code (NCC) requirements. When installed correctly, Foam Cell MULTIPURPOSE will act as an effective water and vapour barrier and will aid in minimising the risk of condensation.

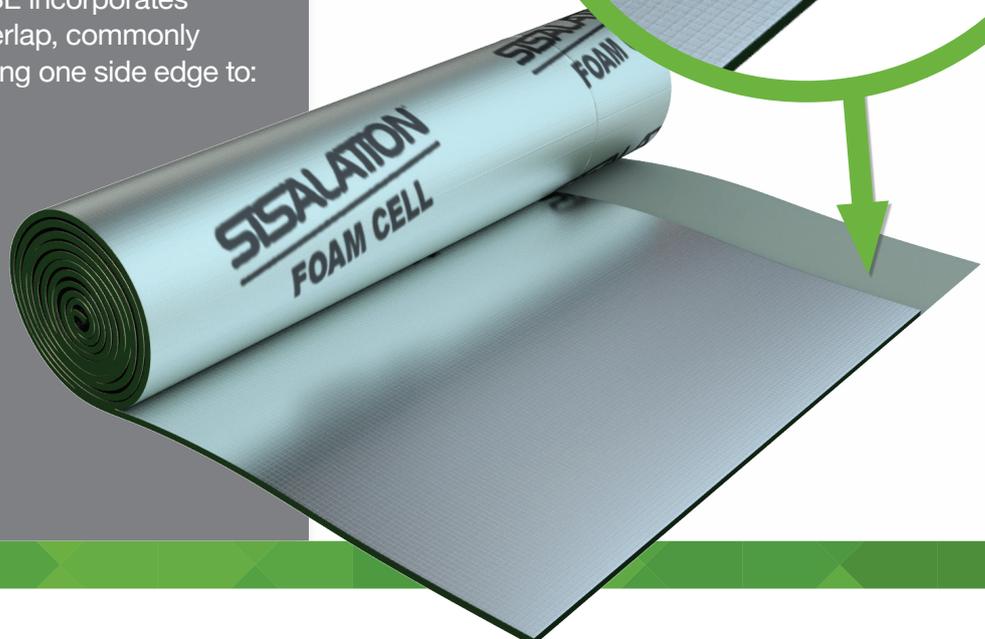
Additionally, Foam Cell MULTIPURPOSE achieves an 'Extra Heavy Duty' rating in accordance with Table 1 of AS/NZS 4200.1, thus providing maximum durability and increased tear resistance. This allows the product to be used as a sarking material in commercial buildings (classes 2-9) as per F1.6 of the NCC and as a pliable building membrane and underlay in residential applications as per 3.5.1.0 (f) of the NCC.

Refer to www.insulation.com.au for further information.

What The Flap?

Foam Cell MULTIPURPOSE incorporates a 150mm reflective foil overlap, commonly referred to as 'the flap' along one side edge to:

- Maximise coverage
- Reduce wastage
- Minimise taping of joints
- Improve aesthetics in exposed applications
- Allow for sealed edge protection
- Save you money!



ONE PRODUCT, MANY BENEFITS

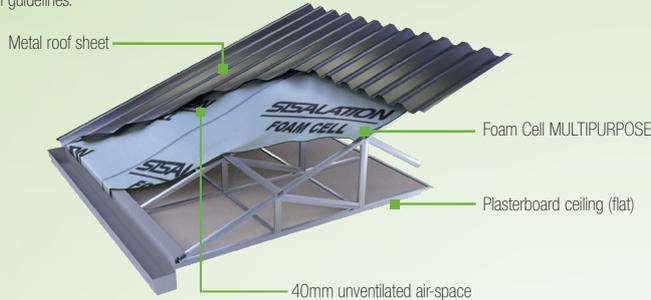
- ADVANCED THERMAL PERFORMANCE REFLECTING UP TO 95% RADIANT HEAT, ALLOWING FOR COOLER INTERNAL CONDITIONS IN HOT, HUMID CLIMATES
- SUITABLE FOR USE AS A THERMAL BREAK FOR STEEL FRAMED CONSTRUCTIONS IN ACCORDANCE WITH NCC REQUIREMENTS
- APPROPRIATE FOR USE IN A RANGE OF COMMERCIAL AND RESIDENTIAL BUILDING APPLICATIONS
- SUITABLE FOR USE IN ROOFS WITH A BUSHFIRE ATTACK LEVEL (BAL) OF 0 - 40; AND WALLS WITH A BAL OF 0 - FZ IN ACCORDANCE WITH AS 3959-2009
- MAXIMUM DURABILITY AND INCREASED TEAR RESISTANCE
- AIDS IN THE PREVENTION OF CONDENSATION
- ALLOWS FOR EASY AND RAPID INSTALLATION
- INCLUDES A 150MM FOIL FLAP TO MAXIMISE COVERAGE AND MINIMISE TAPING
- INCORPORATES AN ANTI-GLARE COATING ON ONE SIDE FOR ADDED INSTALL SAFETY
- FIBRE FREE INSULATION

THERMAL PERFORMANCE

RESIDENTIAL METAL ROOF

| | HEAT FLOW DOWN | HEAT FLOW UP |
|-----------------------------|----------------|--------------|
| Flat ceiling, ventilated* | R2.6 | R1.2 |
| Flat ceiling, unventilated* | R2.3 | R1.4 |

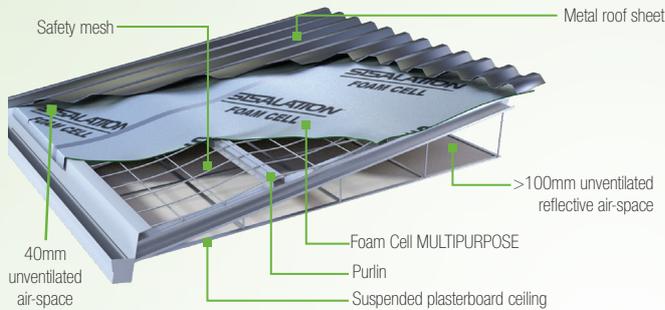
*Refer to the relevant diagram for additional construction details. To be installed in accordance with Fletcher Insulation installation guidelines.



COMMERCIAL FLAT METAL ROOF

| | HEAT FLOW DOWN | HEAT FLOW UP |
|----------------------------------|----------------|--------------|
| Suspended ceiling, unventilated* | R3.2 | R1.4 |

*Refer to the relevant diagram for additional construction details. To be installed in accordance with Fletcher Insulation installation guidelines.



STEEL FRAMED WALL

| | HEAT FLOW IN | HEAT FLOW OUT |
|-----------------------------------|--------------|---------------|
| Plasterboard lining, unventilated | R1.7 | R1.8 |

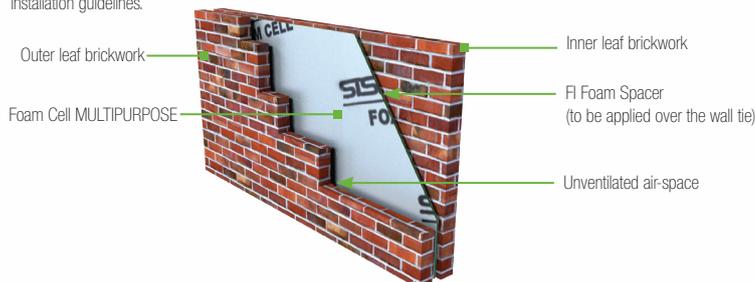
*Refer to the relevant diagram for additional construction details. To be installed in accordance with Fletcher Insulation installation guidelines.



DOUBLE BRICK CAVITY WALL

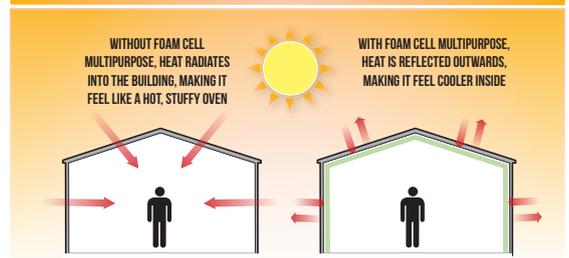
| | HEAT FLOW IN | HEAT FLOW OUT |
|--------------|--------------|---------------|
| Unventilated | R2.0 | R2.1 |

*Refer to the relevant diagram for additional construction details. To be installed in accordance with Fletcher Insulation installation guidelines.



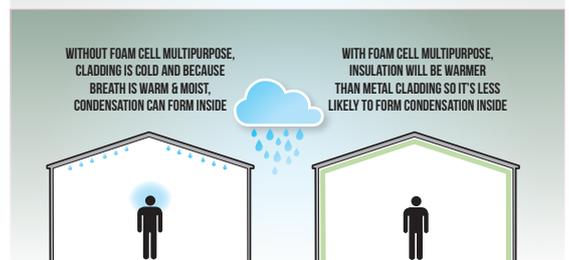
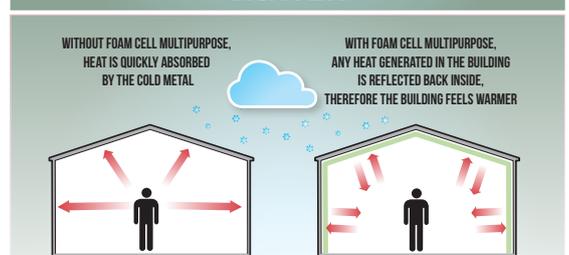
Note: the declared Total R-values have been calculated in accordance with the methods outlined in AS4859.1 2002 including Appendix K. The contribution of this product to the Total R-value depends on installation and environmental conditions which includes the effect of dust. The Total R-value will be reduced in the event of the accumulation of dust on upward facing surfaces and in those cavities that are ventilated.

SUMMER



In summer, Foam Cell MULTIPURPOSE helps keep the heat out. Metal roofs can exceed 80°C causing heat to radiate into uninsulated buildings. Foam Cell MULTIPURPOSE greatly reduces this radiation and helps make the building feel much cooler compared to an uninsulated building.

WINTER



In winter, cold, uninsulated metal walls quickly remove any heat generated in a building. Foam Cell MULTIPURPOSE will reduce this heat transfer and help make the building feel warmer. It will also reduce the risk of condensation by providing an insulating layer between potentially warm, moist air and the cold metal.

Fletcher Spec^{pro}™

For Total R-value guidance visit:
WWW.INSULATION.COM.AU/FLETCHERSPECPRO



Foam Cell MULTIPURPOSE reflective insulation is manufactured to the highest quality standards. Stringent Quality and Environmental Management Systems ensure product and process excellence.

| PHYSICAL CHARACTERISTICS | Material R-value | Nominal thickness | Width | Overlap/ flap | Length | Area per roll | Nominal weight | Product code |
|-------------------------------|--------------------|-------------------|-------|---------------|--------|----------------|----------------|--------------|
| | m ² K/W | mm | mm | mm | m | m ² | kg | |
| Foam Cell MULTIPURPOSE | 0.20 | 8.4 | 1350 | 150 | 22.25 | 30 | 14 | 395264 |

TECHNICAL SPECIFICATIONS

| | |
|--|--------------|
| Material thermal resistance (m ² K/W) ASTM C518 | R0.2 |
| Flammability Index AS 1530.2 | ≤ 5 |
| Emittance (reflective face) ASTM E408 | 0.03 |
| Emittance (anti-glare face) ASTM E408 | 0.06 |
| Duty rating AS/NZS 4200.1 Table 1 | Extra heavy |
| Vapour barrier ASTM E96 | Medium |
| Water barrier AS/NZS 4201.4 | High |
| Shrinkage AS/NZS 4201.3 | < 0.5% |
| Resistance to dry delamination AS/NZS 4201.1 | Pass |
| Resistance to wet delamination AS/NZS 4201.2 | Pass |
| Water absorbency - AS/NZS 4201.6 | Unclassified |
| Corrosion resistance - AS/NZS 4859.1 Appendix I | Pass |

GREEN BUILDING COUNCIL OF AUSTRALIA - GREENSTAR INSULANT ODP COMPLIANT

No ozone depleting substances are used in the manufacture or composition of Foam Cell MULTIPURPOSE. Specification of Foam Cell MULTIPURPOSE guarantees the use of ODP free insulation while also ensuring that no harmful levels of Volatile Organic Compounds (VOC's) are released. This allows for the incorporation of environmentally preferable insulation whilst also maintaining indoor air quality.

SPECIFICATION GUIDELINES

The insulation shall be Foam Cell MULTIPURPOSE with a Material R-value of 0.2 and an Extra Heavy Duty rating in accordance with AS/NZS 4200.1. Supplied by Fletcher Insulation, the insulation material shall incorporate a 150mm wide overlap along one side length and shall be installed in accordance with Fletcher Insulation installation guidelines available for download via www.insulation.com.au

**Fletcher[®]
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Fletcher Insulation
600 Woodstock Ave
Rooty Hill NSW 2766

P 1300 654 444
F 02 9675 2618
E info@insulation.com.au

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