

SANCELL THERM[®]

4.0

GENERAL PURPOSE

Sancell Therm 4.0 is a general purpose reflective insulation that combines an inner layer of fire retardant foam core laminated to two layers of high performance reflective woven aluminium foil to achieve an Extra Heavy Duty rating.

This proudly Australian made insulation features an anti-glare coating on one side for safe, easy installation as well as advanced thermal performance reflecting up to 97% of radiant heat flow. Our 4.0 product provides an energy efficient solution for shed and domestic roof and wall applications and is easy to install on a convenient, fibre-free, non-itchy roll.

PRODUCT SPECIFICATIONS:

| | | | |
|------------------------|--------------------------|---------------------------------|-----------------------------------|
| WIDTH 1350mm | LENGTH 22.25mm | AREA 30m ² | THICKNESS 4mm (nominal) |
|------------------------|--------------------------|---------------------------------|-----------------------------------|

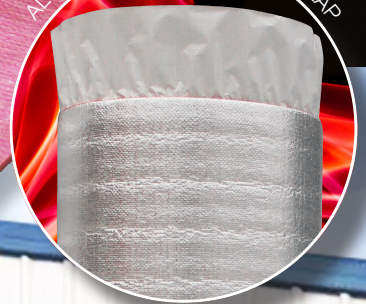
SHED



ROOF



ALSO AVAILABLE WITH 150mm LAP



- ✓ CONFORMS WITH AS/NZS 4859.1 : 2018
- ✓ RATED EXTRA HEAVY DUTY
- ✓ ANTI-GLARE COATING FOR SAFETY
- ✓ FIBRE FREE & NON-ITCHY
- ✓ ADVANCED THERMAL PERFORMANCE REFLECTS UP TO 97% OF RADIANT HEAT FLOW



**PROUDLY MADE
IN AUSTRALIA**

DATA SHEET



4.0 THERMAL BREAK (MATERIAL R VALUE 0.10m² K/W)

- This R-Value applies to a mean temperature of 23°C for Australian conditions

TOTAL SYSTEM R VALUES

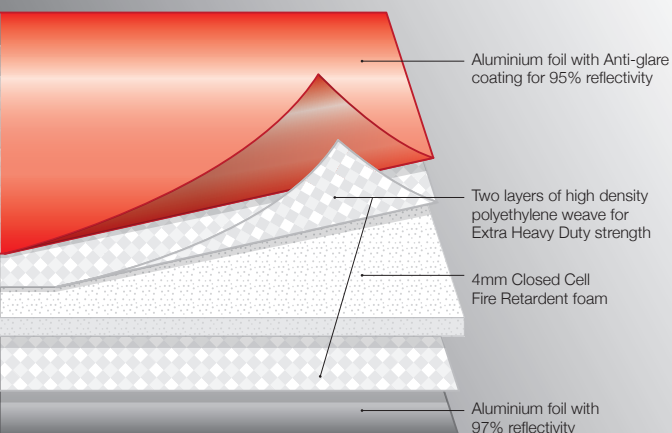
| | SUMMER | WINTER |
|--|--------|--------|
| ROOF | | |
| Pitched metal roof (22° Pitched metal roof with flat ceiling unventilated) | 2.29 | 1.35 |
| Tiled roof (22° Pitched tile roof with flat ceiling unventilated) | 1.88 | 1.14 |
| Commercial / Shed Roof (5% Metal roof with no ceiling) | 1.75 | 0.81 |
| Commercial / Shed Roof (5% Metal roof with 100mm ceiling) | 2.75 | 1.18 |
| WALL | | |
| Steel Stud Framed wall (90mm Studs) | 1.80 | 1.84 |
| Brick Veneer Wall (90mm Studs) | 1.90 | 1.93 |

Note: Calculations in accordance with 4859.1&.2 incorporating thermal bridging to satisfy NCC2019 Section J

THIS PRODUCT MEETS THE REQUIREMENTS OF AS/NZS 4200.1

| | | | |
|--------------------------------------|-------------------------|-----------------------|-------------------|
| DUTY | EXTRA HEAVY DUTY | | |
| VAPOUR CONTROL CLASSIFICATION | Class 2 | Vapour Barrier | |
| VAPOUR PERMEABILITY | 0.0171 µg/N.s | | |
| WATER CONTROL CLASSIFICATION | WATER BARRIER | | |
| FLAMMABILITY INDEX | LOW (≤5) | | |
| ELECTRICALLY CONDUCTIVE | CONDUCTIVE | | |
| EMITTANCE | VALUE | CLASSIFICATION | CATEGORY |
| | 0.03 | IR REFLECTIVE | RR |
| | 0.05 | IR REFLECTIVE | |
| BAL RATING | For use in Roof Systems | | BAL LOW to BAL 40 |
| | For use in Wall Systems | | BAL LOW to BAL FZ |

PRODUCT CONSTRUCTION: 4.0 GENERAL PURPOSE



SAFETY INSTRUCTIONS

No personal protective equipment is required, however, it is recommended that UV protective sunglasses be worn when installing outside.

This product is non-hazardous.

This product contains aluminium foil which conducts electricity. When installing ensure that all electrical cabling, fittings, and wiring are in a safe condition and there is no potential for contact with live wiring or down-lights. Ensure a minimum 50mm clearance from light fittings (check for safe distance with lighting supplier) and ensure 50mm clearance around hot flues.

Plastic fixings should be used where any electrical componentry is in close vicinity of the installation materials. Do not use any metal fixings if working in close vicinity of electrical wiring.



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