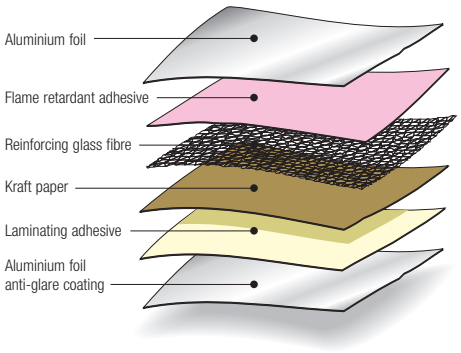
SISALATION™ 438

Light Duty Foil Laminate

DATA SHEET

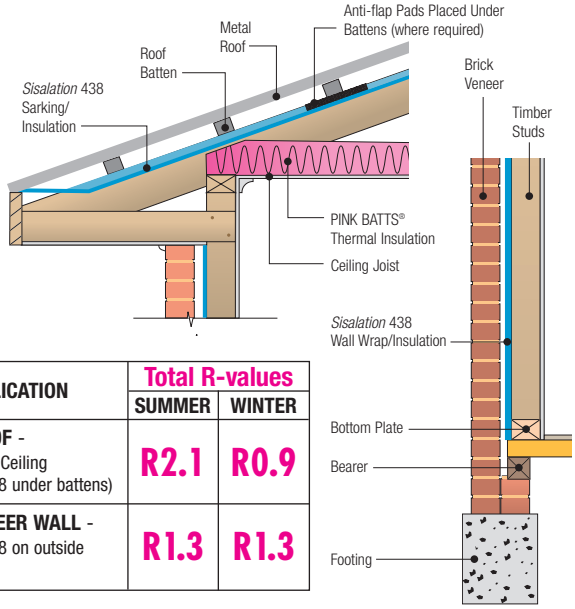
PRODUCT DESCRIPTION

Insulation Solutions™ *Sisalation* 438 is manufactured from an outer layer of aluminium foil bonded to both sides of a high density kraft paper. These layers are bonded together using flame retardant adhesive and reinforced with glass fibres arranged in a 25mm x 28mm grid. One aluminium face of *Sisalation* 438 is blue to reduce any problems with reflected glare during installation.



PRODUCT APPLICATION

Sisalation 438 is suited to applications where ease of handling combined with reasonable strength and durability are required. *Sisalation* 438 is primarily suited as a wall insulation behind cladding and may be installed under metal roofs for residential and commercial buildings.



THERMAL PERFORMANCE

Sislation 438 complies with the requirements of AS/NZS 4859.1.

The declared Total R-values have been calculated at mean temperatures of 27°C for Summer and 15°C for Winter with a temperature difference of 6±0.5K. The contribution of this product to Total R-value depends on installation and environmental conditions which include the effect of dust.

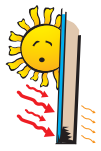
Emittance of reflective foil surface ≤0.05.

Sisalation in roofs should be installed with a sag of 40mm between rafters.

APPLICATION	Total R-values	
	SUMMER	WINTER
METAL ROOF - Pitched / Flat Ceiling (*Sisalation* 438 under battens)	R2.1	R0.9
BRICK VENEER WALL - (*Sisalation* 438 on outside of studwork)	R1.3	R1.3

PRODUCT FUNCTION

INSULATION



When installed under a metal deck roof as an exposed roof lining, *Sisalation* 438 will provide an additional R0.9 to R2.1 to a metal roof structure. When installed as wall insulation behind brick veneer cladding, *Sisalation* 438 may add up to an additional R1.3 to the wall system.

ENERGY EFFICIENCY

As insulation, *Sisalation* 438 will reduce summer heat gain and winter heat loss in a building. Importantly this will enhance energy efficiency and help reduce greenhouse gas emissions. *Sisalation* 438 has a high light reflectivity. When installed in buildings as an exposed internal roof lining, the reflectivity of the ceiling is increased by up to 40%. This reduces artificial lighting loads and thus further enhances energy efficiency.

PROTECTION

Under metal roofs and in wall systems, *Sisalation* 438 will reduce the potential for condensation to occur, preventing water damage to the building fabric.

VAPOUR BARRIER

Sisalation 438 will provide an effective vapour barrier when overlapped and sealed with *Insulation Solutions* Vapastop™ 883 self adhesive aluminium foil tape.

FIRE PERFORMANCE

Sisalation 438 is flame retardant and is suitable for use in buildings in bushfire prone areas to help lessen fire hazard by preventing the ingress of sparks into the roof space.

ECO PINK™

SISALATION™

THE ORIGINAL FOIL

SISALATION™ 438

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SPECIFICATION

Sisalation 438 satisfies the BCA requirements for sarking type materials. It complies with the requirements of AS/NZS4200.1, for "Pliable Building Membranes", which is a deemed-to-satisfy manual recognised by the BCA Part 3.5 Roof and Wall Cladding. It has a low flammability index in accordance with AS1530.2 which satisfies the BCA Part 3.7.1 Fire Hazard Properties.

INSTALLATION

When used as a sarking, all installation should be in accordance with AS/NZS4200.2 "Installation requirements for Pliable Building Membranes." To provide optimum insulation values, a minimum air space of 20mm is required adjacent to the reflective foil face.

CLASSIFICATIONS:

Duty	Light
Vapour Barrier	High
Emittance	Reflective
Water Barrier	High
Flammability Index	Low

Tensile Strength Machine Direction (kN/m)	Min 7.5
Tensile Strength Lateral Direction (kN/m)	Min 4.5
Edge Tear Resistance Machine Direction (N)	Min 45
Edge Tear Resistance Lateral Direction (N)	Min 45
Water Vapour Transmission Rate (ng/Ns)	Max 2
Emittance of Reflective Face	Max 0.05

DURABILITY

When installing *Sisalation* 438, the cladding should be installed without delay.

RESISTANCE TO ALKALIS

Aluminium foil is susceptible to alkali attack, so *Sisalation* 438 should not be used in contact with wet concrete or mortar.

HEALTH & SAFETY

There are no known health or safety risks associated with this product for applications described in this data sheet. For additional information, or a Material Safety Data Sheet, please contact your nearest *Insulation Solutions* office.

STANDARD ROLL SIZES

Roll Width	1350mm	1350mm
Roll Length	60m	20m
Roll Area	81m²	27m²

SUSTAINABILITY

Sustainability...measures that satisfy the needs of people today while enhancing the quality of life for future generations. The demands on non-renewable resources for the production of energy are not sustainable without compromising the environment. Insulation, correctly specified and installed, is one of the most beneficial products in improving energy efficiency and reducing greenhouse gas emissions.

FREECALL 1800 626 624

WEBSITE: www.eurekainsulation.com.au

INTERNATIONAL QUALITY MANAGEMENT SYSTEM ISO 9002 NATA CERTIFIED

ECO PINK INSULATION SOLUTIONS™ FOR SUSTAINABLE LIVING