

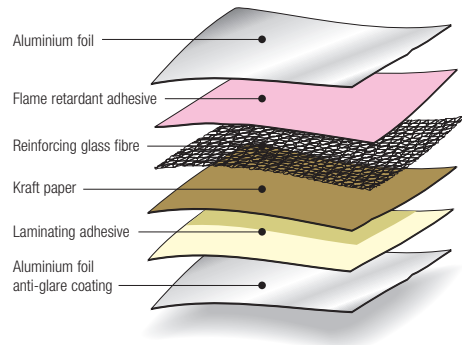
SISALATION™ 436

Light Duty Foil Laminate



PRODUCT DESCRIPTION

Insulation Solutions™ *Sisalation 436* is manufactured with two outer layers of aluminium foil and one layer of high density kraft paper. These layers are bonded together using flame retardant adhesive and reinforced with glass fibres arranged in a 12.5mm x 14mm grid.

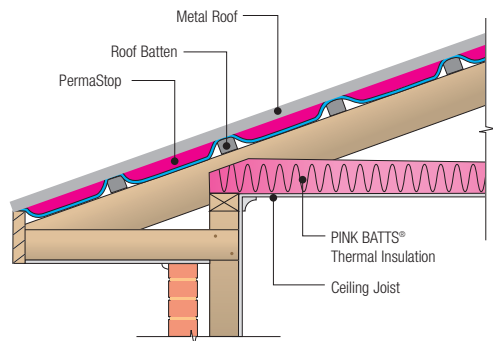


PRODUCT APPLICATION

Sisalation 436 is designed primarily for use as a facing for FBS-1 Bio Soluble Glass Wool™ building blanket. Building Blanket with *Sisalation 436* adhered is available from *Insulation Solutions* as *Permastop™ 436*.

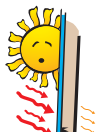
As a facing, it provides additional thermal insulation, and also acts as a vapour barrier. When installed as an exposed internal roof/wall lining, the reflective properties of the aluminium foil will significantly improve lighting effectiveness.

Sisalation 436 may be perforated for use in conjunction with *FBS-1 Bio Soluble Glass Wool* where acoustic performance criteria is required



PRODUCT FUNCTION

INSULATION



When installed under a pitched metal deck roof as a *Permastop* facing, *Sisalation 436* will provide an additional R0.34 in winter and R1.36 in summer.

ENERGY EFFICIENCY



As insulation, *Sisalation 436* 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 436 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 further enhances energy efficiency.

PROTECTION



Under metal roofs and in wall systems, *Sisalation 436* will reduce the potential for condensation to occur, preventing water damage to the building fabric.

VAPOUR BARRIER



Sisalation 436 will provide an effective vapour barrier when overlapped and sealed with *Insulation Solutions'* *Vapastop™ 883* self adhesive aluminium foil tape.

FIRE PERFORMANCE



Sisalation 436 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.

SISALATION™ 436

Light Duty Foil Laminate



SPECIFICATION

Sisalation 436 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.

PHYSICAL PROPERTIES

Sisalation 436 exhibits the following properties as defined by AS/NZS4200.1 for “Pliable Building Membranes”.

CLASSIFICATIONS:

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

CHEMICAL PROPERTIES

DURABILITY

When installing *Sisalation 436*, the cladding should be installed without delay.

RESISTANCE TO ALKALIS

Aluminium foil is susceptible to alkali attack, so *Sisalation 436* 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	81m ²	27m ²

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 000 878

www.ecopink.com.au

The contents of this brochure are copyright protected and may not be reproduced in any form without prior written consent of *Insulation Solutions Pty. Ltd.* Recommendations and advice regarding the use of the products described in this brochure are to be taken as a guide only, and are given without liability on the part of the company or its employees. We reserve the right to change product specifications without prior notification. The purchaser should independently determine the suitability of the product for the intended use and application.

Insulation Solutions Pty. Ltd. ABN 15 083 169 402
 *™ Trademarks of Insulation Solutions Pty. Ltd.
 PINK® and PINK BATT® are registered trademarks used under licence by Insulation Solutions Pty. Ltd. *ECOPINK is an initiative of Insulation Solutions Pty. Ltd.
 © Copyright 2004 IS11863MDG-6/04-SIS436



**INSULATION SOLUTIONS™
 FOR SUSTAINABLE LIVING**

