

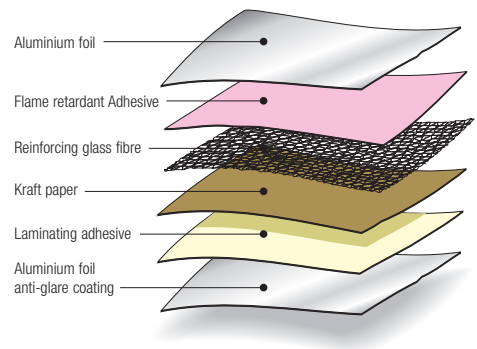
# SISALATION™ 499

## Light Duty Breather Foil



### PRODUCT DESCRIPTION

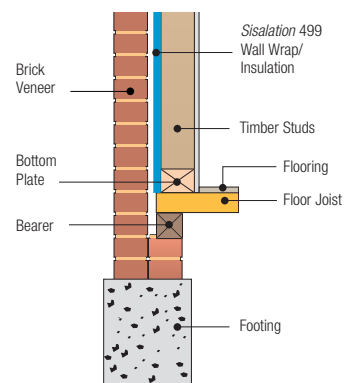
Insulation Solutions™ *Sisalation 499* is manufactured from two outer layers of aluminium foil bonded to both sides of a high density kraft paper. These layers are bonded together using a flame retardant adhesive and reinforced with glass fibres arranged in a 12.5mm x 14mm grid. One aluminium face of *Sisalation 499* is blue to minimise any problems with reflected glare during installation. The material is perforated in a regular pattern to allow the passage of water vapour without affecting its insulation or fire resistance properties.



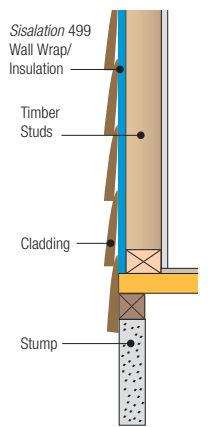
### PRODUCT APPLICATION

*Sisalation 499* is designed for use as a breather wall insulation, applied to the outside of studwork, prior to cladding. It is recommended for use in regions where climatic conditions increase the potential for condensation to form within the building fabric. *Sisalation 499* is also recommended for use behind fibre cement and timber cladding.

**BRICK VENEER**  
(*Sisalation 499* on outside of studwork)

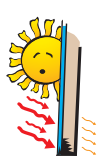


**WEATHERBOARD OR FIBRE CEMENT SHEET CLADDING**  
(*Sisalation 499* on outside of studwork)



### PRODUCT FUNCTION

#### INSULATION



When installed behind brick veneer cladding, *Sisalation 499* may add up to an additional R1.3 to the wall system. When installed behind Weatherboard, or fibre cement wall cladding *Sisalation 499* adds R0.8 to the wall system.

#### FIRE PERFORMANCE



*Sisalation 499* is flame retardant and therefore poses no risk of spreading flames in the event of a building fire.

#### ENERGY EFFICIENCY



As insulation, *Sisalation 499* 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™ 499

## Light Duty Breather Foil

### SPECIFICATION

*Sisalation* 499 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 3.5.3 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* 499 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	Low	Tensile Strength Lateral Direction (kN/m)	Min 4.5
Emittance	Reflective	Edge Tear Resistance Machine Direction (N)	Min 45
Water Barrier	Unclassified	Edge Tear Resistance Lateral Direction (N)	Min 45
Flammability Index	Low	Water Vapour Transmission Rate (ng/Ns)	475
		Emittance of Reflective Face	Max 0.05

### CHEMICAL PROPERTIES

#### DURABILITY

When installing *Sisalation* 499, the cladding should be installed without delay.

#### RESISTANCE TO ALKALIS

Aluminium foil is susceptible to alkali attack, so *Sisalation* 499 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 <sup>2</sup>	27m <sup>2</sup>

### 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.