

# Single-Sided Foil Housewrap

## Insulation

Knauf Insulation Single-Sided Foil Housewrap provides insulation. When installed in conjunction with an air space Knauf Insulation Single-Sided Foil Housewrap is an excellent barrier to radiant heat helping to keep homes cool in summer and warm in winter. Energy efficiency is enhanced and greenhouse gas emissions are reduced.

## Protection

Knauf Insulation Single-Sided Foil Housewrap is constructed of sealed polypropylene laminated with a thermoplastic fire retardant adhesive to Aluminium. Knauf Insulation Single-Sided Foil Housewrap provides an extremely durable barrier that will stand up to the rigours of installation. After completion Knauf Insulation Single-Sided Foil Housewrap acts as a second skin sealing out wind driven rain, salt laden air, lead polluted air, damp, drafts, heat and high humidity. This is of particular benefit in stormy weather where roof tiles may dislodge or break.

## Application

Knauf Insulation Single-Sided Foil Housewrap is ideal for use in all regions of Australia for residential and commercial construction. If there is any doubt as to the suitability of Knauf Insulation products in any specified use, or if the use is outside the applications referred to within this guideline, the manufacturers written approval should be sought.

## Flammability

Knauf Insulation Single-Sided Foil Housewrap is fire retardant and will not contribute to the spread of flame. Knauf Insulation Single-Sided Foil Housewrap creates a fire retardant skin in homes that helps to prevent the ingress of burning embers and sparks.

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## Benefits

- Knauf Insulation Single-Sided Foil Housewrap Fire Retardant Building Foil/Sarking is manufactured to Australian Standard AS/NZS 4200:1
- Knauf Insulation Single-Sided Foil Housewrap is a light weight, heavy duty, paperless, high strength sarking ideal for use in roofs, walls and floors and as a facing to bulk insulation where superior protection against puncturing and tearing is required.

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### Classification

Knauf Insulation Single-Sided Foil Housewrap displays the following characteristics -

#### Classification in accordance with AS/NZS 4200.1:

Duty.....	Heavy
Vapour Barrier .....	High
Emittance .....	Reflective
Water Barrier.....	High
Flammability Index.....	Low
Machine Direction Tensile Strength .....	Min 12.5 kN/m
Lateral Direction Tensile Strength .....	Min 7.5 kN/m
Machine Direction Edge Tear Resistance.....	Min 80 N
Lateral Direction Edge Tear Resistance.....	Min 80 N

These are typical performance figures, tested in accordance with AS/NZS 4200:1, not production specifications.

### Building Code of Australia

Knauf Insulation Single-Sided Foil Housewrap complies with AS/NZS 4200:1 and AS/NZS 4859.1, which satisfy the requirements of the BCA.

### Packaging

Knauf Insulation Single-Sided Foil Housewrap is available in the following standard sizes, other sizes are available on request.

1350mm x 600m (810m <sup>2</sup> )
1350mm x 60m (81m <sup>2</sup> )
1500mm x 45m (67.5m <sup>2</sup> )
1500mm x 30m (45 m <sup>2</sup> )

### Installation

As with all building foils, external cladding should be installed without delay. The fixing of anti-ponding board and anti-flap pads should always be considered to ensure maximum lifespan.

Maximum insulation values will be achieved by providing a minimum 20mm airspace adjacent to reflective surfaces.

Knauf Insulation specifies a dish between rafters on roofs of 30 - 40mm, this is particularly important on metal deck roofs where sarking is installed above the battens, to ensure an air space between the sarking and the metal deck is maintained.

Installation of pliable building membranes and underlays should be in accordance with AS/NZS 4200:2.

Aluminium foils should not come into contact with wet concrete or mortar, as the aluminium is susceptible to alkali attack.

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