

Double-Sided Foil Light Duty

Insulation

Knauf Insulation Double-Sided Foil Light Duty provides insulation. When installed in conjunction with an air space Knauf Insulation Double-Sided Foil Light Duty 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.

Composition

Knauf Insulation Double-Sided Foil Light Duty consists of two outer layers of aluminium foil bonded with a fire retardant thermo plastic adhesive to kraft paper and cross re-inforced with fibres to provide strength. Double-Sided Foil Light Duty is also available with blue antiglare ink applied to one aluminium surface to reduce glare during installation. Knauf Insulation Double-Sided Foil Light Duty Breather is of the same composition but with pin perforations to allow moisture vapour transmission.

Application

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

June 2009

Benefits

- Knauf Insulation Double-Sided Foil Light Duty Fire Retardant Building Foil is manufactured to Australian Standard AS/NZS 4200:1
- Knauf Insulation Double-Sided Foil Light Duty is ideal for use in walls and floors where superior protection against puncturing and tearing is required.
- Control of moisture and water ingress.
- Control of lead polluted air and drafts.
- Control of dust.
- Knauf Insulation Double-Sided Foil Light Duty acts as a second skin for Australian buildings.

Double-Sided Foil Light Duty

Classification

Double-Sided Foil Light Duty product displayed the following characteristics -

Classification in accordance with AS/NZS 4200.1:

Duty.....	Light
Vapour Barrier	High
Emittance	Reflective
Water Barrier.....	High
Flammability Index.....	Low
Machine Direction Tensile Strength	Min 7.5 kN/m
Lateral Direction Tensile Strength	Min 4.5 kN/m
Machine Direction Edge Tear Resistance.....	Min 45 N
Lateral Direction Edge Tear Resistance.....	Min 45 N

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

Building Code of Australia

Knauf Insulation Double-Sided Foil complies with AS/NZS 4200:1 and therefore satisfies all requirements of the BCA.

Packaging

Knauf Insulation Double-Sided Foil is available in the following sizes

1350mm x 60m (81m²)

1350mm x 20m (27m²)

Installation

As with all building foils external cladding should be installed without delay. All associated timber framing should be dry with a moisture content of less than 25% before closing in.

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

Knauf Insulation recommends 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.

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

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

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