

Harvi-Foil® Medium Duty (130)

Application

Harvi-Foil® Medium Duty (130) is a double sided reflective foil laminate recommended for use in residential applications as a –

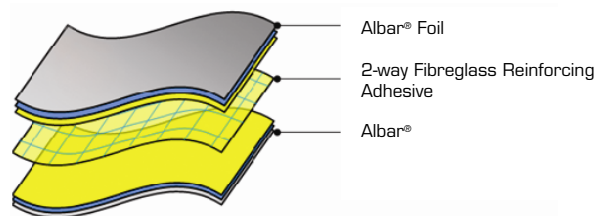
- Thermal insulating material
- Vapour barrier in the sarking of walls
- Vapour barrier for metal deck roofing
- Vapour barrier in the lining and lagging of exposed air-conditioning ducts, pipes and vessels
- Facing for building insulation blankets
- Barrier against moisture, water vapour, wind, heat and dust penetration when overlapped and sealed with a tape such as Vapastop® 883

Harvi-Foil® products should not be used where fire retardant properties are required.

Features and Benefits

- High edge tear resistance to prevent ripping during installation
- Faced on both sides with Albar® to provide scuff resistance and prevent damage to surfaces during construction
- Two-way fibreglass reinforcement for greater strength
- Highly reflective to enhance lighting conditions
- Low emissivity to limit heat loss
- Manufactured with pure aluminium foil to provide an effective barrier against vapour

Technical Data



Physical Property Classifications in Accordance with AS/NZS4200.1

Characteristics	Results	Characteristics	Results
Duty Classification:	Medium	Resistance to Dry Delamination:	Pass
Emittance (Al Face):	Reflective (≤ 0.05)	Resistance to Wet Delamination:	Pass
Water Barrier:	High	Folding Endurance:	Pass
Flammability Index:	Unclassified	Tensile Strength (kN/m):	M.D.: ≥ 9.5 C.D.: ≥ 6.0
Shrinkage:	Pass	Edge Tear Resistance (N):	≥ 65

The physical properties of Harvi-Foil® (130) have been tested by independent accredited laboratories. The nominal results are typically representative of performance. Test reports are available on request.

Green Star Compliant

Fletcher Insulation is committed to providing environmentally sustainable products. Fletcher Insulation products have Zero Ozone Depleting Potential in both manufacture and composition, complying with the GreenStar Insulant ODP Emissions credit requirement. Air quality during manufacture is maintained with total Volatile Organic Compound (VOC) emissions below quantifiable levels.

Thermal Performance

When used in conjunction with an airspace, Harvi-Foil® Medium Duty (130) is an effective thermal insulation material due to the high reflectivity and low emissivity of its aluminium foil surfaces. The contribution of this product to Total R-value depends on installation and environmental conditions which include the effect of dust.

Comprehensive calculations of Total R-values for typical roof systems are illustrated in the ICANZ Insulation Handbook which can be found at [www.icanz.org.au>PublicationsandReports>InsulationHandbook](http://www.icanz.org.au/PublicationsandReports>InsulationHandbook) or contact Fletcher Insulation Export Office.

Installation

Harvi-Foil® Medium Duty (130) should be installed in accordance with AS/NZS4200.2 Pliable Building Membranes and Underlays: Installation Requirements. Install with a 150mm overlap between runs, with each higher run lapping over the layer below. The product must be installed in such a way to prevent water from pooling.

Harvi-Foil® Medium Duty (130) is not designed to be exposed to weathering and therefore cladding should be installed without delay. To be effective as a thermal insulator there must be a minimum air gap of 40mm adjacent to at least one reflective foil face. Installing Harvi-Foil® Medium Duty (130) under battens is an effective method to achieve the required air space. Aluminium foil is susceptible to alkali attack and therefore should not come in contact with wet concrete.

When specifying, state the following:

Product Name: Harvi-Foil® Medium Duty (130)

Harvi-Foil® Medium Duty (130) shall be installed under the battens as a thermal insulation, vapour barrier and sarking.

Standard Roll Size

1.35m x 30m (40.5m²)

Note: Fletcher Insulation Pty Ltd reserves the right to change product specifications without prior notification. Information in this publication and otherwise supplied to users as to the subject product is based on our general experience and is given in good faith, but because of the many factors which are outside our knowledge and control and affect the use of products, no warranty is given or is to be implied with respect to either such information or the product itself, in particular the suitability of the product for any particular purpose. The purchaser should independently determine the suitability of the product for the intended application.

Manufactured in Australia by Fletcher Insulation Pty Ltd. under an ISO9001 Certified Quality Management System

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MEDIUM DUTY

HARVI-FOIL®