

Flamestop® Heavy Weight (138) & Flamestop® Heavy Weight White Ink (138WI)

Application

Flamestop® Heavy Weight (138) is a fire retardant double-sided reflective foil laminate. Flamestop® Heavy Weight White Ink (138WI) is identical but with a white ink coating. It is designed for applications where a white facing is desirable.

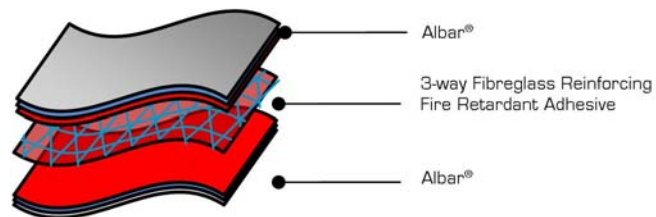
Both products are recommended for use in residential, commercial and industrial applications as a –

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

Features and Benefits

- Heavy duty to provide superior edge tear resistance to prevent ripping during installation
- Self-supporting high strength product that can be installed on spans up to 1200mm without support
- Faced on both sides with Albar® to provide scuff resistance and prevent damage to surfaces during construction
- High density two-way fibreglass reinforcement for greater strength
- Fire retardant and will not support combustion or the spread of flames
- 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



Characteristics	Test Methods	Results	
Tensile Strengths:	ASTM C1136-08	M.D: 99.3lbs/inch	C.D: 57.5lb/inch
Dimensional Stability:	ASTM C1136-08	Warp Direction: - 0.1%	Filling Direction: - 0.1%
Tear Resistance (Average):	ASTM D2261	M.D: 21.8N	C.D: 21.1N
Pliability:	ASTM C131-05	Cracking: Nil	Delamination: Nil
Burst Strength:	ASTM D774/D774M-97	Face: 640kPa	Back: 590kPa
Bleeding and Delamination:	ASTM C1313	Bleeding: Nil	Delamination: 0%
Surface Burning Characteristics:	ASTM E84-08	Flame Spread: 10	Smoke Develop: 0
Humidity Resistance :	ASTM C1258-08	Delamination: Nil	Corrosion: Nil
Emissivity:	ASTM E408-71	Al. Surface: ≤0.05	White Ink Coating: ≤0.1
Thermal Integrity (-29oC & 66oC):	ASTM C1263-05	Cracking: Nil	Delamination: Nil
Water Vapour Transmission:	ASTM E96-05 (B)	WVTR: 0.05 g/h.m ²	Perms: 0.17

The physical properties Flamestop® (138) and (138WI) have been tested by independent accredited laboratories. The nominal results are typically representative of performance. Test reports are available on request.

FLAMESTOP®

HEAVY WEIGHT

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, Flamestop® 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 or contact Fletcher Insulation Export Office.

Installation

Flamestop® Heavy Weight (138) and (138WI) should be installed in accordance with AS/NZS4200.2 Installation Requirements for Pliable Building Membranes. 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.

Flamestop® Heavy Weight (138) and (138WI) may be installed across spans up to 1200mm without the need of a supporting mesh. Install external cladding 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 Flamestop® Heavy Weight (138) and (138WI) under the 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: Flamestop® Heavy Weight (138) and Flamestop® Heavy Weight White Ink (138WI)
"Product Name" 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

Fletcher Insulation Pty Ltd. A Fletcher Building Company. ABN 72 001 175 355
600 Woodstock Avenue, Locked Bag 19, Rooty Hill, NSW 2766, Australia. Phone: +649 579 6789 Fax: +649 567 5130
www.sisalation.com.au www.insulation.com.au info@tasmaninsulation.com
Rev A Oct 09



HEAVY WEIGHT

FLAMESTOP®