

Sisalation® Medium Duty (430) & Sisalation® Medium Duty Antiglare (433)

Application

Sisalation® Medium Duty (430) is a fire retardant double-sided reflective foil laminate. Sisalation® Medium Duty Antiglare (433) is identical but with an antiglare coating, designed to reduce glare and reflection during installation.

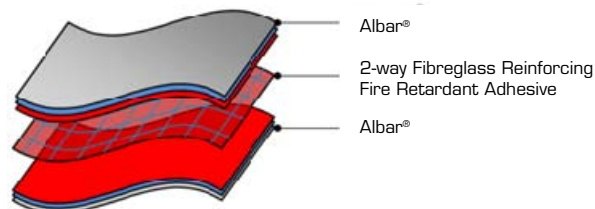
Both products are recommended for use in residential and commercial applications as a –

- 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

Features and Benefits

- High edge tear resistance to preventing ripping during installation
- Faced on both sides with Albar® to provide scuff resistance and prevent damage to surfaces during construction
- Antiglare coating to reduce glare and reflection for safer installation conditions (Sisalation® Medium Duty Antiglare (433) only)
- Two-way fibreglass reinforcement for greater strength
- Fire retardant and will not support combustion or the spread of flame
- 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
Vapour Barrier:	High (≥ 450 MN s/g)	Resistance to Wet Delamination:	Pass
Emittance (Al Face):	Reflective (≤ 0.05)	Shrinkage:	Pass
Emittance (Antiglare):	Internal Test (≤ 0.1)	Folding Endurance:	Pass
Water Barrier:	High	Tensile Strength (kN/m):	M.D.: ≥ 9.5 C.D.: ≥ 6.0
Flammability Index:	Low (≤ 5)	Edge Tear Resistance (N):	≥ 65

The physical properties of Sisalation® (430) and (433) have been tested by independent accredited laboratories. The nominal results are typically representative of performance. Test reports are available on request.

SISALATION®

MEDIUM DUTY

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, Sisalation® Medium Duty (430) and (433) 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

Sisalation® Medium Duty (430) and (433) 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.

Sisalation® Medium Duty (430) and (433) is not designed to be exposed to weathering therefore external 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 Sisalation® Medium Duty (430) and (433) 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: Sisalation® Medium Duty (430) *or* Sisalation® Medium Duty Antiglare (433)

"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.