

## Sisalation® Medium Duty 430 Fire Retardant Building Foil

### Application

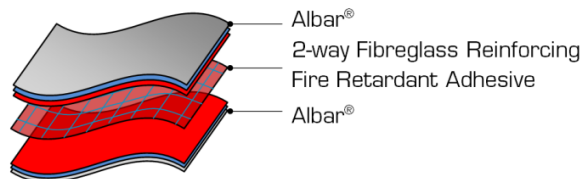
Sisalation® Medium Duty 430 is a fire retardant reflective foil laminate. Recommended for use in commercial and industrial buildings to provide a clean reflective interior lining, resistant to general wear and tear. Suitable for use as a:

- Reflective interior lining for most wall applications and in roofing where mechanical strength is not critical
- Facing for Building Insulation Blanket (BIB)

### 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
- 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



AS/NZS 4200.1:1994 Classification	Requirement	Performance
Mechanical	Tensile Strength MD ≥ 9.5 kN/m, CD ≥ 6.0 kN/m	Medium Duty
	Edge Tear MD ≥ 65 N, CD ≥ 65 N	
Vapour Barrier	≥ 450 MN.s/g	High
Emittance	≤ 0.03	Double Sided-Reflective
Water Barrier	> 100 mm	High
Flammability	≤ 5	Low
Absorbency	< 100 g/m <sup>2</sup>	Unclassified

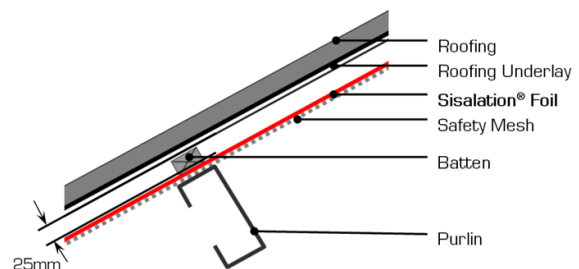
### Installation

#### General

- Sisalation® Medium Duty 430 Fire Retardant Building Foil should be installed in accordance with AS/NZS4200.2 Installation Requirements of "Pliable Building Membranes", and the following installation and limitation details
- External cladding should be installed without delay
- When installed in conjunction with insulation the building foil must be installed on the warm side

#### Roof Installation

- Lap upper sheets over lower sheets by no less than 150mm, to prevent water ingress between sheets
- Must be adequately supported (safety mesh)
- Where installed under metal/sheet roofing a clearance of 25mm is required between absorbent roof underlay and foil (or between bulk insulation/foil and roof underlay)



Typical Roof Installation

## Installation continued...

### Wall and Gable Installation

- Run horizontally across the frame
- Lap upper sheets over lower sheets by no less than 150mm
- Fix adequately to framing members

### Limitations

Sisalation® Medium Duty 430 *must* be:

- Used behind claddings that will remain weather resistant
- Be installed and clad on the same day (recommended to prevent damaged due to weather)
- Supported if used in ceilings

Sisalation® Medium Duty 430 should *not* be:

- Allowed to contact wet mortar or concrete, or exposed to alkaline conditions
- Used in situations where it is permanently wet
- Used in place of an absorbent building underlay (i.e: residential dwellings to comply with NZBC Clause E2 requirements)

## Durability

When used, installed and maintained in accordance with the requirements outlined in this datasheet, Sisalation® Medium Duty 430 will meet or contribute to meeting the following provisions of the NZBC: NZBC Clause B2: Durability Meets the requirements of NZBC B2.3.1 a) 50 years and NZBC B2.3.1 b) 15 years

## Environmental

Tasman Insulation is committed to providing environmentally sustainable products. The Sisalation® range of building foils has 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.

## Specification Notes

Product required: Sisalation® Medium Duty 430 Fire Retardant Building Foil

### Product Specification

Description	Product Code	Roll Size	Area	Nominal GSM
Sisalation® Medium Duty 430	744303	1350mm x 30m	40.5m <sup>2</sup>	320gsm

## Storage

Sisalation® Medium Duty 430 must be protected against damage and weather. Rolls must be stored on end, under cover in a clean, dry environment. Do not crush product

## Accreditations/Appraisals/Certification



Distributed by:  
Tasman Insulation New Zealand  
Limited  
9-15 Holloway Place, Penrose,  
Auckland,  
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*Please consider the environment before printing this document*

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