Fletcher Insulation
Building Better, Together

Technical data sheet

Resituff™

Polyweave reflective faced glasswool insulation blanket for residential metal roofs

Description

Resituff™ is a glasswool blanket containing up 80% recycled content, faced with a light duty, polyweave laminate. The reflective foil laminate features a 150mm overlap along the left hand side edge.

Application

Resituff™ insulation blanket is primarily for use in residential metal roof insulation applications. It provides excellent thermal and acoustic properties by reducing heat loads entering a building and minimising the internal reverberation and flow of unwanted nuisance noise generated from adjacent buildings and/or the external environment.

Features and benefits

Combines two effective types of insulation to provide one product solution	→	Saves time and costs toward your overall construction project.
Reduces the risk of condensation forming under metal roofing	→	Helps minimise the risk of condensation forming that may create mould issues or damage to the building.
Offers both thermal and acoustic properties	→	Provides thermal R value and acoustic relief for a more comfortable living space.

Product data

Facing Foil Type	Glasswool Blanket Material R-value m^2 K/W	Thickness mm	Width mm	Length m	m^2 per roll	Product code
Sisalation® Multipurpose LD (431)	R1.3	55	1200	15	18	4020341
				20	24	4020342
	R1.4	60	1200	15	18	4020343
				20	24	4020344
	R1.8	75	1200	15	18	4020345

The Glasswool Blanket Material R-values are determined in accordance with AS/NZS 4859.1. The contribution of the reflective air-gap is construction dependent and excluded from the declared R-value. The duty classification of the facing material does not influence the R-value.

Physical properties

Property	Test method/standard	Result	Unit
Thermal Resistance R-value	AS/NZS 4859.1	Complies	m^2K/W
Moisture Absorption	When exposed to environmental conditions of 50°C and 95% relative humidity for four days	<0.2	% by volume

Fire hazard properties

Resituff™ insulation blanket exhibits the following characteristics when tested in accordance with the following standards:

Property	Test method/standard	Result
Early Fire Hazard Indices		
Ignitability Index	AS/NZS 1530.3	0
Spread of Flame Index		0
Heat Evolved Index		0
Smoked Developed Index		1

Product limitations

- **Important: Do Not Modify This Product:** Compliance with the evidence of suitability data referenced in this document is only achieved by the product or configuration listed.
- **Important:** Compliance with evidence of suitability data referenced in this document is only achieved when this product is produced at a Fletcher Insulation approved facility, in accordance with Fletcher Insulation specifications and approved materials.
- This product is not classified as non-combustible in accordance with AS 1530.1 and is not suitable where a non-combustible material is required.
- This product does not meet the non-combustibility or fusion temperature requirements of AS 1668.1 Clause 2.3.2.
- This product does not have a Group Number in accordance with AS 5637.1 (NCC 2022 Volume 1 S7C4, NCC 2025 Volume 1 S7C4) and is not suitable as an exposed internal wall and ceiling lining where a group number is required.
- Not suitable under tile roofs.
- This product is not designed to withstand weathering. Install the insulation blanket only when dry and ensure it remains dry throughout installation of the roofing. Where the roof is not yet completed, the product must be protected from weathering and other sources of moisture.
- Compression of the product will reduce its declared material R-value.
- The maximum service temperature for this product is 70°C.
- This product should not come into contact with wet concrete or alkaline materials.
- This product is not suitable for use within 500m of a saltwater body in unenclosed or permanently ventilated spaces.

Compliance

NCC 2022

When correctly specified and installed, the product complies with below NCC clauses and relevant standards:

- Complies to NCC Volume 1 2022 J4D3(1) and ABCB Housing provisions 2022 13.2.2(1) meeting requirements through compliance with AS/NZS 4859.1.
- Meets the requirements of NCC 2022 Volume 1 J3D5(1) and ABCB Housing Provisions 2022 13.2.3(7) by providing an R-value of R0.2 when crushed between metal roof sheet and framing members.
- When tested or assessed to AS/NZS 1530.3 this product does not exceed the 'Spread of Flame' and 'Smoke Developed' as required by NCC 2022 Volume 1, S7C7 for insulation materials.
- Meets the requirements for sheet roof construction BAL 12.5 to 40, per AS 3959.

NCC 2025

When correctly specified and installed, the product complies with below NCC clauses and relevant standards:

- Complies to NCC Volume 1 2025 J4D3(1) and ABCB Housing Provisions 2025 13.2.2(1) meeting requirements through compliance with AS/NZS 4859.1.
- Meets the requirements of NCC 2025 Volume 1 J3D5(1) and ABCB Housing Provisions 2025 13.2.3(7) by providing an R-value of R0.2 when crushed between metal roof sheet and framing members.
- When tested or assessed to AS/NZS 1530.3 this product does not exceed the 'Spread of Flame' and 'Smoke Developed' as required by NCC 2025 Volume 1, S7C7 for insulation materials.
- Meets the requirements for sheet roof construction BAL 12.5 to 40, per AS 3959.

Maintenance and conditions of use

- Pressure cleaners or mineral based cleaners must not be used on the foil facing product.
- Where Sisalation® Pliable Building Membranes can be inspected, ensure any tears are repaired with appropriate tape, such as Vapastop® 883 Foil Tape.
- Foil facing products should not be in contact with any corrosive environments, water or alkaline materials such as wet concrete etc.
- Ensure product is protected from physical damage during storage and avoid packaging being stored under UV light (such as direct sunlight) for extended periods.
- Product must be kept dry and not be exposed to weather in any condition including prior, during and after installation.

Health and safety

Resituff™ is manufactured from FBS-1 Glasswool Bio-Soluble Insulation®. Refer to Fletcher Insulation SUIS for more information.

Environmental properties

Fletcher Insulation avoids the use of Ozone Depleting Potential (ODP) substances in the manufacture or composition of its FBS-1 Glasswool Bio-Soluble Insulation® and Sisalation® reflective foil products.

The use of Resituff™ provides the use of Zero ODP insulation while also ensuring that no harmful levels of Volatile Organic Compounds (VOCs) are released. This allows the incorporation of environmentally preferable insulation whilst also maintaining indoor air quality.

Technical specification

When specifying, please state the following:
The insulation material shall be Fletcher Insulation Resituff™ with a Light Duty polyweave facing with a Material R-value of R _____ m^2K/W (specify Material R-value) at a nominal thickness of _____ mm (specify nominal thickness).

The following performance attributes must be specified:

- Product must be FBS-1 Biosoluble.
- Product must recover after removed from its packaging to the requirements of AS/NZS 4859.1.

Installation instructions

For the correct installation method, follow the Installation Guidelines available from insulation.com.au

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