



Sisalation® Range Selection Guide

Select the best wall wrap and roof sarking protection
available for your home or build

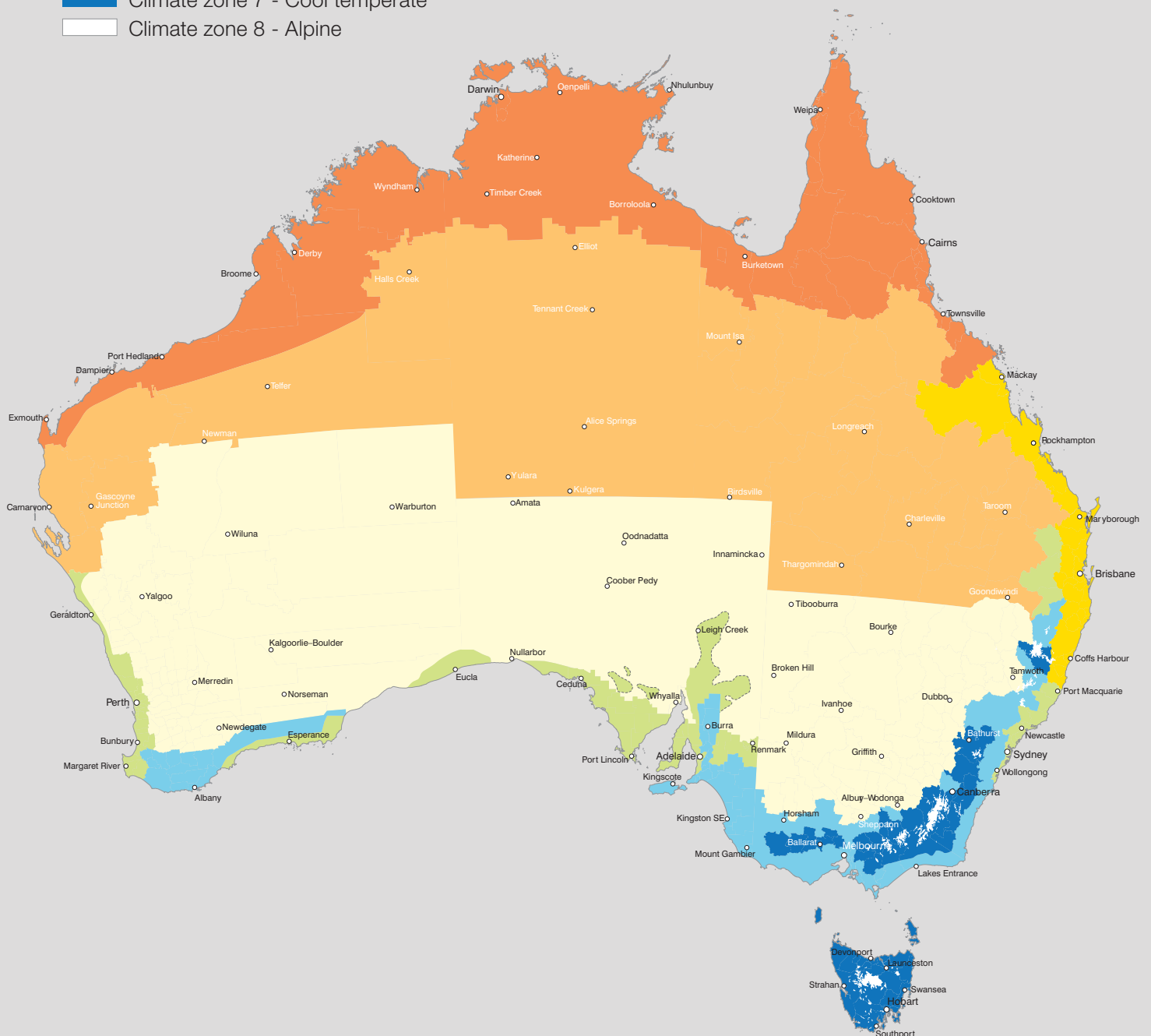
Which **climate zone** are you building in?

Knowing your climate zone is crucial to selecting the best Sisalation® product for your project.

Australia's varied climate means that different locations around the country have different heating and cooling requirements. For simplicity, the Australian Building Codes Board (ABCB) has grouped locations with approximately similar climates into eight climate zones, which are referenced in the National Construction Code (NCC).

Use the map below to determine your climate zone, then check the table to choose the best Sisalation® product for your location and construction type.

- Climate zone 1 - High humidity summer, warm winter
- Climate zone 2 - Warm humid summer, mild winter
- Climate zone 3 - Hot dry summer, warm winter
- Climate zone 4 - Hot dry summer, cool winter
- Climate zone 5 - Warm temperate
- Climate zone 6 - Mild temperate
- Climate zone 7 - Cool temperate
- Climate zone 8 - Alpine



Sisalation® Product Range Guide.

Installing the right type of building membranes, wall wraps and sarking can play a vital role in the construction of any building. Condensation management, energy efficiency, health and comfort of a building can all be affected by location of the construction and the type of building.

Fletcher Insulation offers a range of Sisalation® wall wraps and roof sarking products which are designed to be used in specific climate zones within Australia to ensure the build is protected from the elements, allowing thermal and acoustic insulation to work most effectively and contributing to more comfortable and healthy indoor environments.

Sisalation Product Range **Summary**

Product Name	Australian Climate Zone Recommendation	Walls	Roofs	Page No.
Vapawrap Residential Wall Wrap	2, 3, 4, 5, 6, 7, 8	Y	N	5
Vapawrap Vapour Permeable Metal Roof	2, 3, 4, 5, 6, 7, 8	Y	Y	9
Tuff Wrap Standard 497	1, 2, 3	Y	N	5
Tuff Wrap Breather 497	2, 3, 4, 5*	Y	N	6
Multipurpose EHD 456	1, 2, 3, 4, 5, 6, 7, 8	Y**	Y	6
Metal Roof MD 433	1, 2, 3, 4, 5, 6, 7, 8	N	Y	10
Metal Roof HD 453	1, 2, 3, 4, 5, 6, 7, 8	N	Y	10
Bubble Cell	1, 2, 3, 4, 5, 6, 7, 8	Y**	Y	7
Foam Cell Resi Liner	1, 2, 3, 4, 5, 6, 7, 8	Y**	Y	7
Foam Cell Multipurpose LT	1, 2, 3, 4, 5, 6, 7, 8	Y**	Y	8
Foam Cell Multipurpose	1, 2, 3, 4, 5, 6, 7, 8	Y**	Y	8
Tapes				11

Note: All products are designed to comply with the requirements of AS4200.1: 2017

* Not a water barrier, can only be used for brick-veneer construction or application where no water barrier is required

** When used in residential Class 1, 2, 4 external walls, climate zone 1,2,3,4,5 only if built under NCC2019;
Climate zone 1,2,3 only if built under NCC2022

A modern, two-story white house with large windows and a swimming pool. The house features a flat roof with a black gutter system. A large, dark green tree is visible behind the house. The swimming pool is in the foreground, reflecting the house and the sky. The pool is surrounded by a light-colored stone deck. The house has a balcony with a dark metal railing. The overall scene is bright and sunny.

Selecting the right wrap for **walls**

SISALATION® VAPAWRAP™ RESIDENTIAL WALL WRAP

WATER BARRIER VAPOUR PERMEABLE WALL MEMBRANE FOR COLDER CLIMATES

Description

Sisalation® Vapawrap™ Residential Wall Wrap is a lightweight, highly vapour permeable flexible membrane engineered from resilient non-woven fabric. It has high resistance to water and is perfectly suited for residential buildings with high permeable, moisture transfer requirements.

Product composition

Non-woven polypropylene

Breathable film

Non-woven polypropylene terephthalate



Features and benefits

UV exposure up to 8 weeks	Internal works can be completed before external building façade is installed, speeding up program of works and making schedule of works easier.
Flexible and lightweight	Easy to install, speeding up installation times.
Cohesive surface	Tapes adhere to surface easier, making installation faster and ensuring greater reliability of the water barrier.

Physical characteristics

Width mm	Length m	Coverage m2	Weight per roll kg	Product code
1350	30	40.5	4.7	256253
1500	30	45.0	5.2	256290
2700	30	81.0	8.7	395272

SISALATION® TUFF WRAP™ STANDARD (497)

Description

Sisalation® Tuff Wrap™ Standard (497) is designed to comply with the requirements of AS/NZS 4200.1:2017. The product features a layer of aluminium foil which is bonded to a polymer-based weave. The blue coloured face of the polymer-weave minimises the level of glare experienced during installation.

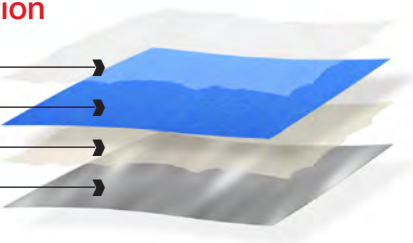
Product composition

Polymer coating

Polymer fabric

Polymer adhesive

Aluminium foil



Features and benefits

Superior strength wall wrap for residential timber and steel frames	Minimises draughts to allow bulk insulation to perform more effectively.
Provides a tough secondary skin on a build	Acts as a wind, heat and dust barrier.
Minimises the amount of rain that penetrates the wall	Assists in moisture and vapour control.

Physical characteristics

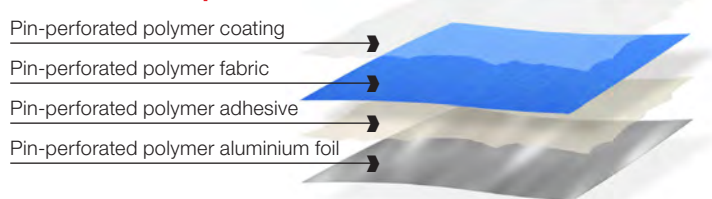
Product type	Width mm	Length m	Coverage m2	Weight per roll kg	Product code
Standard (497)	1350	30	40.5	4.3	255088
		60	81.0	9.0	255092
Standard (497)	1500	30	45.0	4.7	255385

SISALATION® TUFF WRAP™ WALL WRAP BREATHER (497)

Description

Sisalation® Tuff Wrap™ Wall Wrap Breather (497) is designed to comply with the requirements of AS42001.1 : 2017. The product features a layer of aluminium foil which is bonded to a polymer-based weave. The blue coloured face of the polymer-weave minimises the level of glare experienced during installation. This 'Breather' variant, distinguished by pin perforations, is better suited for use in non water barrier applications where a degree of permeability is required in the wall design. Fletcher Insulation's Sisalation® Vapawrap™ permeable building membranes range may be a more suitable option where higher vapour permeance is required in a wall design. It is important that the cladding manufacturer's requirements are referred to when determining the suitability of a wall wrap for a given system.

Product composition



Features and benefits

Superior strength wall wrap for residential timber and steel frames	Minimises draughts to allow bulk insulation to perform more effectively.
Provides a tough secondary skin on a build.	Acts as a wind, heat and dust barrier.
Breather membrane allows for a degree of permeability	Assists in moisture and vapour control in walls to help manage condensation.

Physical characteristics

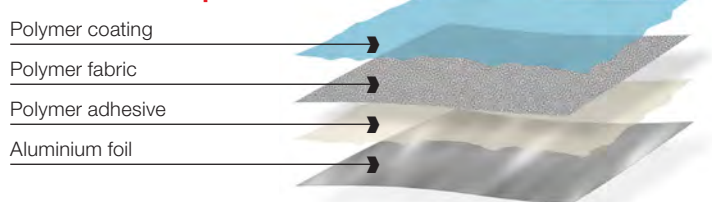
Product type	Width mm	Length m	Coverage m2	Weight per roll kg	Product code
Breather (497)	1350	30	40.5	4.3	255089
		60	81.0	9.0	255087
Breather (497)	1500	30	45.0	4.7	255393

SISALATION® MULTIPURPOSE EHD (456)

Description

Sisalation® Multipurpose EHD (456) is a flexible, non vapour permeable water barrier designed as a second skin for residential and commercial wall and roofing applications. This product is a foil based membrane with an anti-glare face designed to minimise glare experienced during installation.

Product composition



Features and benefits

Extra heavy duty product	Suitable for use in both residential and commercial projects.
Vapour and water barrier	Provides a second skin of protection from water ingress to the building.
Anti-glare face	Reduces glare during installation.

Physical characteristics

Product	Width mm	Length m	Coverage m2	Weight per roll kg	Product code
Multipurpose EHD (456)	1350	30	40.5	4.66	352330
		60	81.0	9.32	352360
	1500	30	45.0	5.12	352331

SISALATION® BUBBLE CELL

Description

Sisalatation® Bubble Cell is a high quality reflective insulation composite incorporating a triple layer bubble core laminated between multiple layers of tough PE weave and reflective foil laminate. A red/pink anti-glare coating is applied to one side of the product to reduce the level of glare for additional installation safety.

Product composition

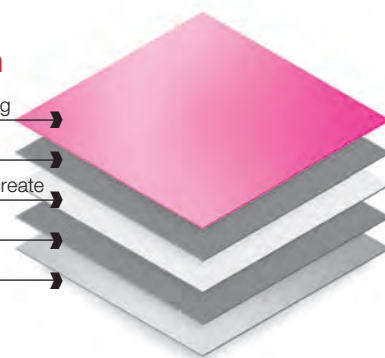
Aluminium foil with anti-glare coating

High density polyethylene weave

Triple layer polyethylene bubble cocreate

High density polyethylene weave

Aluminium foil



Features and benefits

Has high quality reflective properties	Can reduce up to 95% of the sun's radiant heat, allowing for cooler internal conditions.
Acts as an insulating layer between warm indoor air and a cold wall or roof	Reduces the risk of condensation, to help minimise mould or moisture ingress.
Red/pink anti-glare coating on one side of membrane	Reduces the level of glare for installation safety.

Physical characteristics

Nominal thickness mm	Width mm	Length m	Area per roll m2	Nominal weight per roll kg	Product code
4.0	1350	22.25	30	14	395215

SISALATION® FOAM CELL RESI LINER

Description

Sisalatation® Foam Cell Resi Liner is an extra heavy duty sarking material consisting of a cross linked, closed cell foam core laminated between layers of reflective foil, with an anti-glare coating on one layer for installation safety. Sisalatation® Foam Cell Resi Liner is specifically designed for use in wall and roof applications.

Product composition

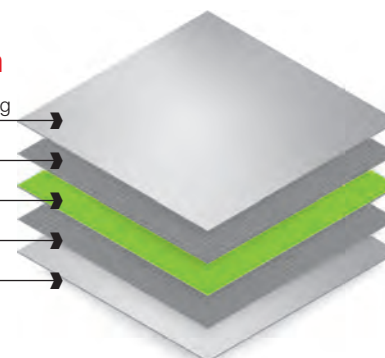
Aluminium foil with anti-glare coating

High density polyethylene weave

Polyethylene cross linked foam cell

High density polyethylene weave

Aluminium foil



Features and benefits

Reflects up to 95% radiant heat	Allows for cooler internal conditions in hot and humid climates.
Includes a 150mm overlap along one edge	Faster installation with minimal taping and maximum coverage.
Effective water and vapour barrier	Aids in prevention of condensation.

Physical characteristics

Nominal thickness mm	Width mm	Overlap/flap mm	Length m	Area per roll m2	Nominal weight per roll kg	Product code
5.0	1350	150	22.25	30	11.5	395266

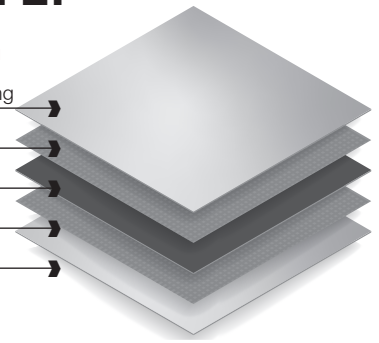
SISALATION® FOAM CELL MULTIPURPOSE LT

Description

Sisalation® Foam Cell Multipurpose LT is a 3-in-1 multipurpose sarking solution. It is an Extra Heavy Duty sarking material consisting of a foam core laminated between layers of reflective foil, with an anti-glare coating for installation safety.

Product composition

Aluminium foil with anti-glare coating
High density polyethylene weave
Polyethylene foam cell core
High density polyethylene weave
Aluminium foil



Features and benefits

Includes a 150mm wide non-foam overlap along one edge	Can be installed without the need for tape, saving time and cost.
R0.2 Thermal Resistance	Acts as a thermal break for steel frames.
Australian made	Supporting local manufacture.

Physical characteristics

Material R-value m2K/W	Nominal thickness mm	Width mm	Overlap/flap mm	Length m	Area per roll m2	Nominal weight per roll kg	Product code
R0.20	8.4	1350	150	22.25	30	14	395273

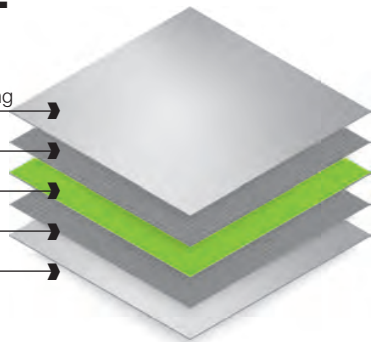
SISALATION® FOAM CELL MULTIPURPOSE

Description

Sisalation® Foam Cell Multipurpose is a 3-in-1 multipurpose sarking solution. It is an extra heavy duty sarking material consisting of a cross linked, closed cell foam core laminated between layers of reflective foil, with an anti-glare coating on one layer for installation safety.

Product composition

Aluminium foil with anti-glare coating
High density polyethylene weave
Polyethylene cross linked foam cell
High density polyethylene weave
Aluminium foil



Features and benefits

A 3-in-1 sarking solution	Insulation + thermal break + vapour barrier.
Includes a 150mm non-foam overlap along one edge	Provides a seamless overlap to maximise coverage, minimise waste and improve aesthetics in exposed applications, saving time and cost.
Reflects up to 95% radiant heat	Allows for cooler internal conditions in hot and humid climates.

Physical characteristics

Has a Group Number 2 Fire rating – suitable for use in commercial applications where a Group Number 2 Fire Rating is necessary

Material R-value m2K/W	Nominal thickness mm	Width mm	Overlap/flap mm	Length m	Area per roll m2	Nominal weight per roll kg	Product code
R0.25	8.4	1350	150	22.25	30	14	395264

Selecting the right wrap for roofs



SISALATION® VAPAWRAP® VAPOUR PERMEABLE METAL ROOF

Description

Sisalatation® Vapawrap™ Vapour Permeable Metal Roof is a lightweight, highly vapour permeable flexible membrane engineered from resilient non-woven fabric. Sisalatation® Vapawrap™ Vapour Permeable Metal Roof has a high level of tensile strength designed to reduce damage during installation of metal roofing components. It has high resistance to water and is perfectly suited for residential and commercial buildings with high permeable, moisture transfer requirements.

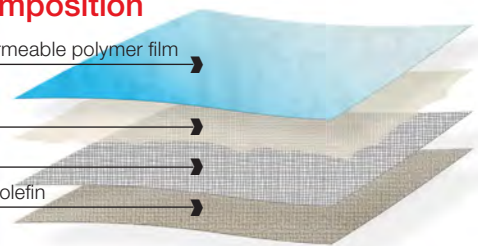
Product composition

Water resistant permeable polymer film

Adhesion

Polymer mesh

Spun-bonded polyolefin



Features and benefits

High tensile strength	The membrane will resist damage from minor point loads or equipment during installation of roof sheeting. If product tears damage will be easy to repair with tapes.
High vapour permeance	Helps water vapour escape buildings working to reduce the chance of condensation build up that may result in mould growth.
Water absorbent	Helps to reduce the chance of condensation build-up that may result in mould growth.
Flexible and lightweight	Easy to install, speeding up installation times.
Cohesive surface	Tapes adhere to surface easier, making installation faster and ensuring greater reliability of the water barrier.

Physical characteristics

Width mm	Length m	Coverage m2	Weight per roll kg	Product code
1350	30	40.5	4.8	256700

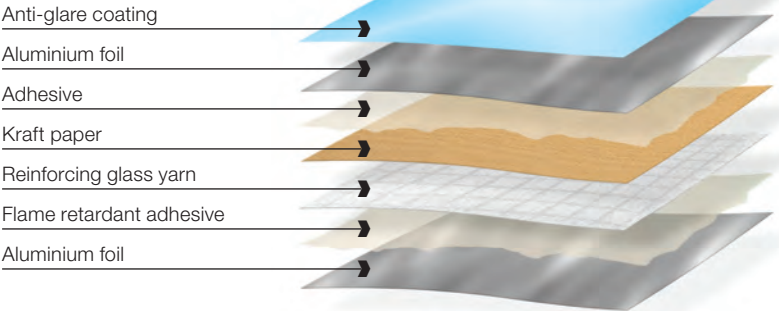
SISALATION® METAL ROOF MD (433) AND HD (453)

Description

Sisalation® Metal Roof comprises of an outer layer of aluminium foil bonded to a high density kraft paper. This is then bonded to an additional layer of foil using a heavy coating of flame-retardant adhesive. The laminate is reinforced with strands of yarn to deliver exceptional strength. The inclusion of a coloured anti-glare coating reduces the incidence of reflected glare during installation.

Product composition

Sisalation® Metal Roof



Note: The Sisalation® Metal Roof glass yarn is lightweight in MD (433) and heavy duty in HD (453)

Features and benefits

Acts as a water barrier under metal roofs	Secondary barrier to protect roof from leakage or condensation that may form on underside of metal roof.
Provides R value from reflective surface	Helps reduce energy costs for building.
Suitable for BAL Low–40 applications	Can be used in most bush fire prone regions.
Comprehensive product warranty	Peace of mind that product is fit for purpose.



Sisalation® Tapes



PLAIN FOIL TAPE

Description

Made from soft aluminium foil with a synthetic rubber/resin on one side. Our Plain Foil Tape is designed to create a vapour sealed join between Sisalation® products.

Physical characteristics

Width mm	Length m	Rolls per carton	Product code
48	50	24	318400
72	50	16	318405



3M SEAMING TAPE

Description

Designed for use with vapour permeable membranes, when joining membranes to avoid moisture ingress at the seams. Made from white polypropylene, with an acrylic pressure sensitive adhesive.

Physical characteristics

Width mm	Length m	Rolls per carton	Product code
48	50	24	318838



VAPASTOP® 833 REINFORCED FOIL TAPE

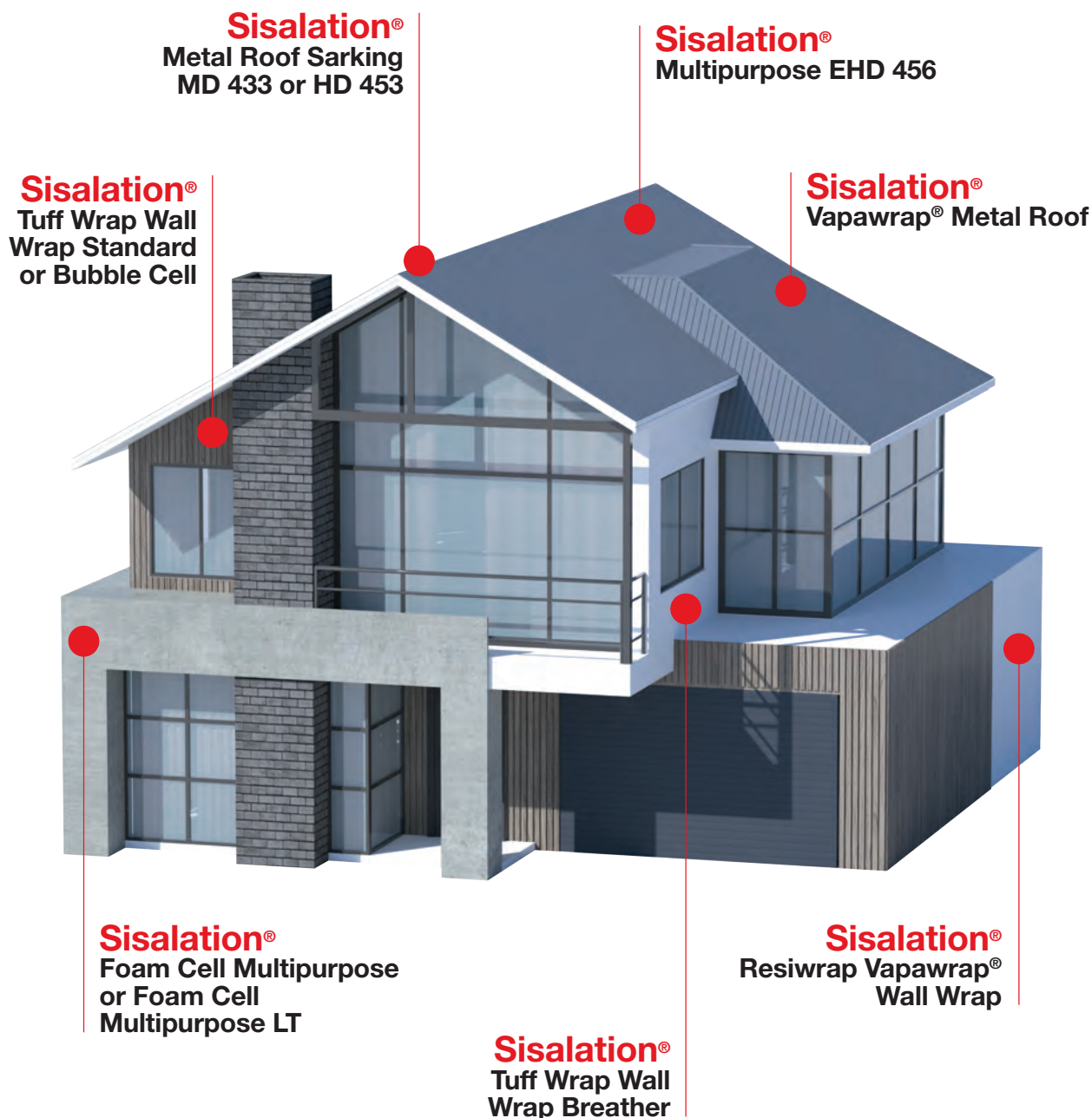
Description

A strong, reinforced foil tape that conforms well to corners and irregular surfaces to provide an effective vapour seal over the joins of reflective insulation products and/or composites.

Physical characteristics

Width mm	Length m	Rolls per carton	Product code
24	50	48	318039
48	50	24	318040
63	50	16	318080
72	50	16	318085

Select **Sisalation®** to protect your build



For further information

Call 1300 654 444

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Visit insulation.com.au



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