

Tile Roof Product Guide



SISALATION[®]
The Original and The Best

Weather control on a roll

Fletcher
Insulation



»»» Sisalation® Tile Roof

All Sisalation® products in the Sisalation® Tile Roof Range are specifically designed for installation under tiled roofs, following rigorous testing of their individual performance characteristics and superior quality features in these applications.

Best For

Use as sarking under concrete and terracotta (with the exception of slate) tile roofs. **Sisalation® 465 Tile Roof** is a strong, tear resistant, heavyweight, pliable building membrane.

Benefits of Sisalation®

Insulation All products in the Sisalation® Tile Roof range are tested in accordance with AS4200.1 and proven to provide significant long term thermal insulation benefits.

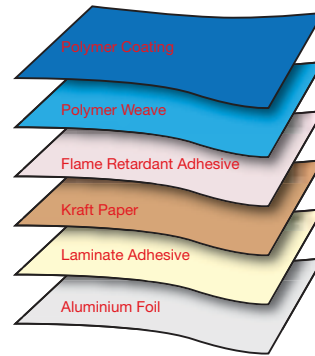
Protection Sisalation® is the essential barrier to the elements for any building – providing protection against elements such as wind, dust, rain and ember attack (BAL 0-40) in the event that roof tiles move or are broken.

Environmental Benefits All products in the Sisalation® Tile Roof range do not contain any ozone depleting substances.

Quality All products in the Sisalation® Tile Roof range are manufactured in Australia under an ISO 9001 Certified Quality Management System.

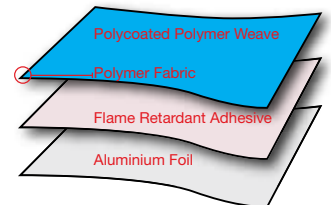
Product Composition

Sisalation® 465
Tile Roof HD



With a Flammability Index of ≤5 in accordance with AS 1530.2:1993, Sisalation® Tile Roof is suitable for use in Bushfire Areas with a Bushfire Attack Level (BAL) of 0 - 40 in accordance with AS 3959-2009.

Sisalation® 456
Multipurpose EHD



With a Flammability Index of ≤5 in accordance with AS 1530.2:1993, Sisalation® Multipurpose EHD is suitable for Wall Applications (BAL 0-FZ) and Roof Applications (BAL 0-40) in accordance with AS 3959-2009.

Sisalation® Tile Roof Range

Sisalation® Tile Roof Heavy Duty (465)

Is a kraft paper and polymer weave based heavy weight product for use in more demanding conditions. Its extra weight makes it easier to lay even during windy conditions, minimising down time. It is resistant to puncturing and tearing, particularly for foot traffic during installation of roof tiles. The polymer coating provides an excellent water barrier in the event of a roof leak.

Sisalation® Multipurpose Extra Heavy Duty (456)

Sisalation® 456 Multipurpose EHD is an extra heavy duty product designed for use as a pliable building membrane in the following applications:

- Residential brick veneer walls;
- Residential tile roofs (with the exception of slate) and;
- Residential metal roofs (recommended to be installed under battens).



Installation Guidance



Sisalation® foil products should be installed in accordance with AS/NZS 4200.2 Pliable building membranes and underlays - Installation Requirements for Metal Roofs, Tile Roofs and Walls.

It should be installed with the antiglare face out and a 150mm overlap between runs. External cladding should be installed without delay. For System R-Value calculations using **Sisalation®**

Tile Roof products go to www.insulation.com.au/fletcherspecpro

In roof applications Sisalation® Tile Roof Sarking should also be installed under the battens and maintain a 40mm sag to ensure the durability and function of the product through its lifespan.

Foil products conduct electricity. It is important that electrical safety guidance as recommended in the AS:4200.2 are followed. As a minimum have your electrician disconnect the

electrical supply prior to installation to ensure that the foil is not 'LIVE'. Reconnect the electrical supply after installation with a test to confirm that the foil is not conducting electricity.

Under no circumstances should this foil product be applied horizontally in residential ceiling space and under floor. Refer to the Australian / New Zealand Wiring Rules (AS/NZS 3000:2007) for more detailed information.

Important Notes: Prior to and during installation Sisalation® foil products must be kept dry and out of contact with alkaline products such as cement and mortar. Sisalation® foil products are not designed to withstand weathering and external cladding should be applied without delay.

Suitability

All products in the **Sisalation® Tile Roof** range are designed for installation across all of Australia's many and varied environments.

Residential buildings: They are suitable for application on both timber and steel framed buildings. **Commercial buildings:** They are not suitable for use and should never be installed under metal roofs.

How Sisalation® Works

With a large surface area exposed to the sun, the roof area is the largest contributor to heat gain. Roofing materials (tiles and metal sheets) are often poor reflectors, potentially emitting 90% of heat gain into the ceiling space. With roof temperatures reaching upwards of 80°C, ceiling space temperatures can reach a whopping 54°C.

Correctly installed Sisalation® can:

- Significantly reduce ceiling space temperatures;
- Reduce heat transfer into the attic space, which reduces heat into living spaces;
- Reduce heat loads on attic ducts and equipment;
- Reduce ceiling temperatures and heat gain.

Radiant surface temperatures of walls and ceilings have a direct influence on interior comfort levels and energy costs. Using the benefits of aluminium foil, Sisalation® reflects 95% of radiant heat and emits only 5%.

A single layer of Sisalation®, combined with an adjacent air-space provides thermal resistance equivalent to a wall 7 bricks thick!

Weather Protection

Sisalation® not only insulates your home, but protects it from rain driven water infiltration. Sisalation® also limits dust from entering your building by sealing off draughts in the walls and roof space.

Summer

Make sure your family stays cooler and more comfortable at home. Sisalation® reduces heat transfer through the envelope of a building. Where there's a temperature difference, heat flows naturally from a warmer to a cooler space.

Winter

To maintain comfort in colder months, the heat lost must be replaced by the heating system. Sisalation® minimises radiant heat from escaping through the walls and roof by acting as a thermal barrier.

Technical Specifications

Sisalation® 465 Tile Roof HD

Width mm	Length m	Area per roll m ²	Weight per roll kg	Product Code
1500	30	45	16.8	952299

Sisalation® 456 Multipurpose EHD

Width mm	Length m	Area per roll m ²	Weight per roll kg	Product Code
1500	30	45	10.8	952331



Sisalation®

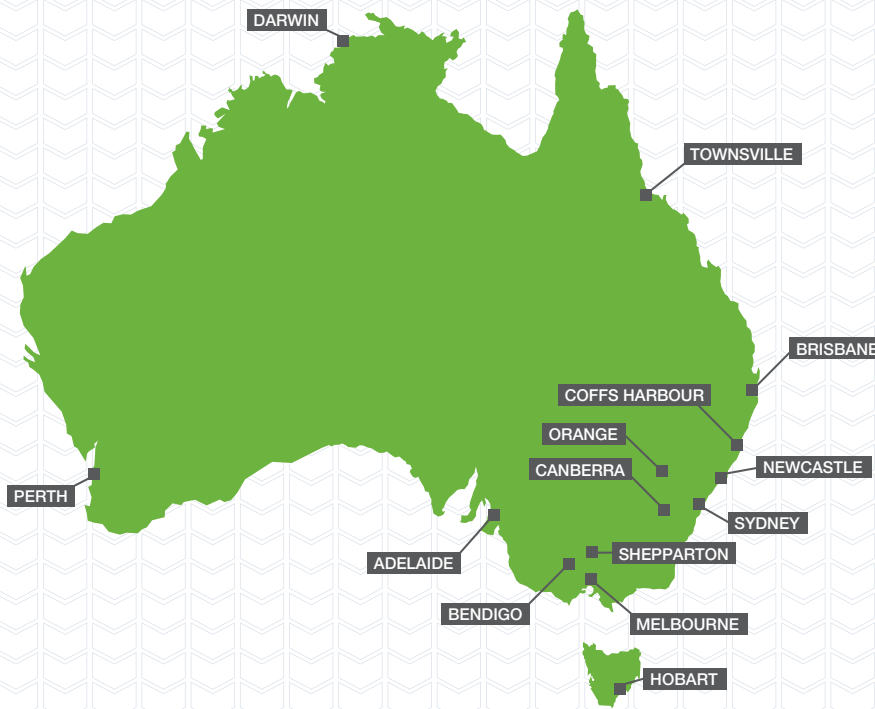
Sisalation® has been manufactured in Australia for over 60 years. During which time it has been used in the construction and insulation of millions of Australian homes and thousands of our most architecturally significant public and private buildings. This experience and our intimate product knowledge is what sets Sisalation® apart from the rest. So that when you purchase Sisalation® not only are you purchasing The Original and The Best™ in reflective foil laminate insulation but you're also assured every one of our products has been fine tuned precisely for its stated application.

Of course there are many different types of Sisalation® each expertly designed for a specific end use application whether it is to be used for sarking under a new tiled roof, wall wrap on a new home or extension or facing foil in air conditioning ducts. No other brand of reflective foil laminate insulation can match Sisalation's® over 60 year track record of high quality Australian manufacturing and its unparalleled reputation for excellence, quality, customer service and innovation.

Quite simply, Sisalation® is The Original and The Best™ in reflective foil laminate insulation.



Sales and Distribution Network



Authorised Distributor

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For Sisalation® Information
Call 1300 654 444
www.insulation.com.au

