

# Sisalation® Solutions.

Selecting the best wall wrap and  
roof sarking protection for your home.

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Modern building techniques and materials have made your choice of wrap more important than ever.

**Where you live, how much insulation you have and what your home is made of, all affect your choice of wrap.**

In cool climates, condensation generated inside the home, as well as moisture entering from outside, can increase the risk of mould growing on your house frame. Hidden behind the walls, it can become a health risk to the very young, elderly, or those with asthma. It can also rot timber, and stain your walls and ceilings. Fortunately, Fletcher Insulation has a range of wraps that can help prevent condensation, and shield your home from water-related damage.

In warmer regions, Sisalation® reflective wraps can keep your home cooler in summer, warmer in winter, and help your insulation to work better all year round. You'll enjoy the comfort, and the savings you'll make on your energy bills too.

So don't compromise your safety or your comfort, choose Sisalation® to protect your build.



## Why Wrap up?

### **A More Comfortable Home**

Whether you are renovating or building a new home, Sisalation® can help stop draughts, dust and wind driven rain so your home stays cooler in summer, warmer in winter, and more comfortable all year round.

### **A Healthier Home**

Moisture in your home can cause damaging condensation, rot and mould. Sisalation® can improve your indoor air quality, help prevent the causes of condensation and protect your family's health.

### **Fire Safety**

Sisalation® is suitable for use in bushfire areas and can help protect your home from ember attack. Sisalation® can be used for Bushfire Attack Level (BAL) of 0–40 for roof sarking and 0–FZ for wall wrap.

### **Peace-Of-Mind**

Fletcher Insulation do not compromise on quality. For your peace-of-mind, we guarantee all Sisalation® products with a 10 year product warranty.

### **An Energy Efficient Home**

Sisalation® foil products can protect your home by reflecting up to 95% of the sun's radiant heat. They also help stop draughts and dust entering your home so your insulation batts can work better.

Better performing insulation means your cooling and heating will work more efficiently and be cheaper to run. And as you save money, you'll help save the environment too.

### **Protection While You Build**

You would normally install Sisalation® as you build your home, but it can also be installed when you're replacing your walls or roof. During construction, it can protect your frame from the elements and allow tradies to work, before any exterior covering goes on.

### **Easy DIY Installation**

Sisalation® products are strong, laminated membranes designed for maximum durability and increased tear resistance, so DIY installation is quick and easy.



# Understanding the difference between **wraps** for condensation management

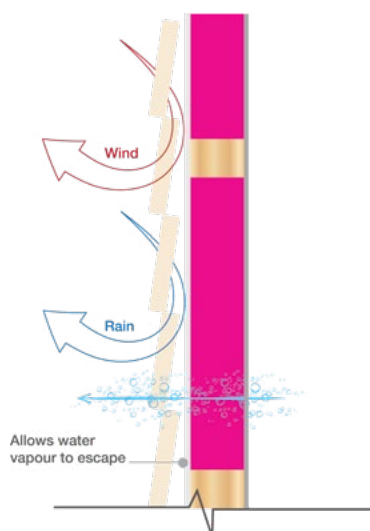
## Vapour **Permeable** Membranes



**Recommended for cooler regions to help manage condensation. It allows vapour to escape the building, whilst helping stop vapour, water, and wind from entering.**

### Vapour Permeable products:

- Allow moisture vapour to escape from the home without condensing on the inside of the building frame
- Protect the home from water penetration
- Help improve the performance of bulk insulation by reducing wind and dust penetration
- Protect the home from water penetration during construction



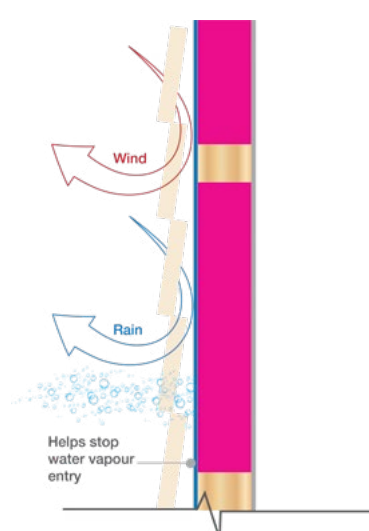
## Vapour **Barrier** Membranes



**Recommended for warmer regions to help stop vapour, water, and wind entering the building.**

### Non-permeable, vapour barrier products:

- Protect the home from water penetration
- Reduce wind and dust penetration
- Protect the home from water penetration during construction



# How to select the best **wrap**

Selecting the best product for your project isn't rocket science, but you will have to make some decisions. To help, we've provided this step-by-step guide below, and more detailed tables on the following pages. Answer these 4 questions and you'll be able to select the best Sisalation® product in a snap!

1

## Which part of the home are you insulating?

Fletcher Insulation has a comprehensive range of both wall wraps and roof sarking products.



2

## Which climate zone are you building in?

The Building Code of Australia (BCA) has divided the country into eight climate zones. Each has its own insulation requirements. You can find your climate zone by referring to the map on the next page.



3

## What is your home made of?

Fletcher Insulation manufacture sarking products suitable for metal roofs and tiled roofs. We also have wall wraps that are suitable for use under brick veneer, lightweight clad and concrete block walls, and others for double brick cavity walls. We even make wraps and sarking for sheds.

4

## A vapour permeable or vapour barrier membrane?

If you are building your home in a warmer region you'll most likely benefit from a reflective weather barrier. If your home is in a cooler region you'll probably need the added advantage of vapour permeability, to help manage condensation risk.

## All set? Now check out the table

The table on the following page recommends which membranes to buy based on your answers.



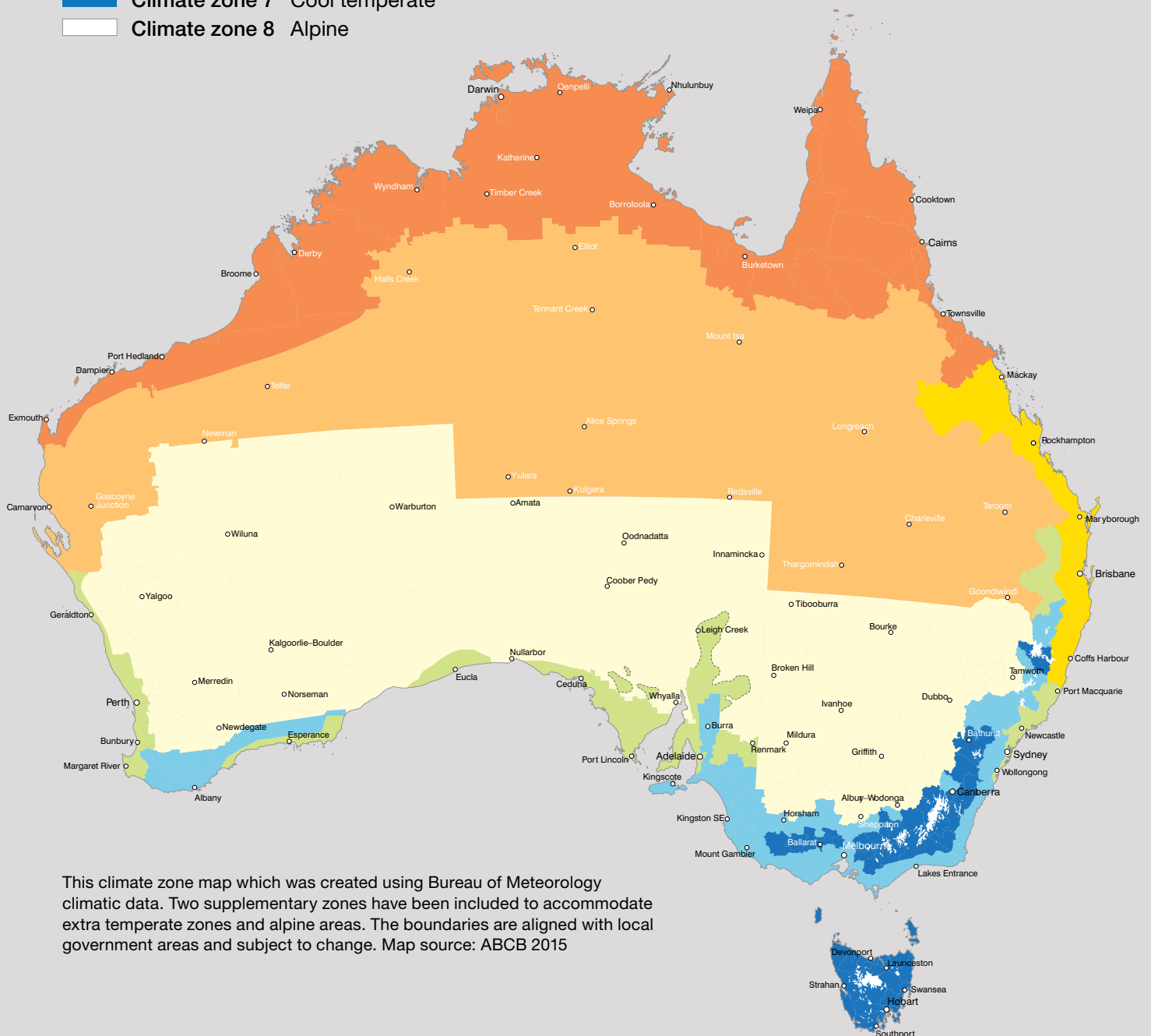
# Which **climate zone** are you building in?

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. The Building Code of Australia (BCA) has divided the country into eight climate zones, and has determined what level of insulation is required in each.







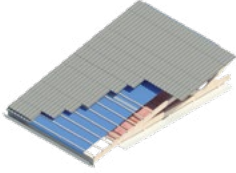

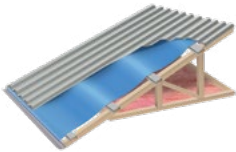



Use the map below to determine your climate zone, then check the table to choose the best Sisalation® product for your location and construction type.

- 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



This climate zone map which was created using Bureau of Meteorology climatic data. Two supplementary zones have been included to accommodate extra temperate zones and alpine areas. The boundaries are aligned with local government areas and subject to change. Map source: ABCB 2015

# Choose the best **wrap** for your project

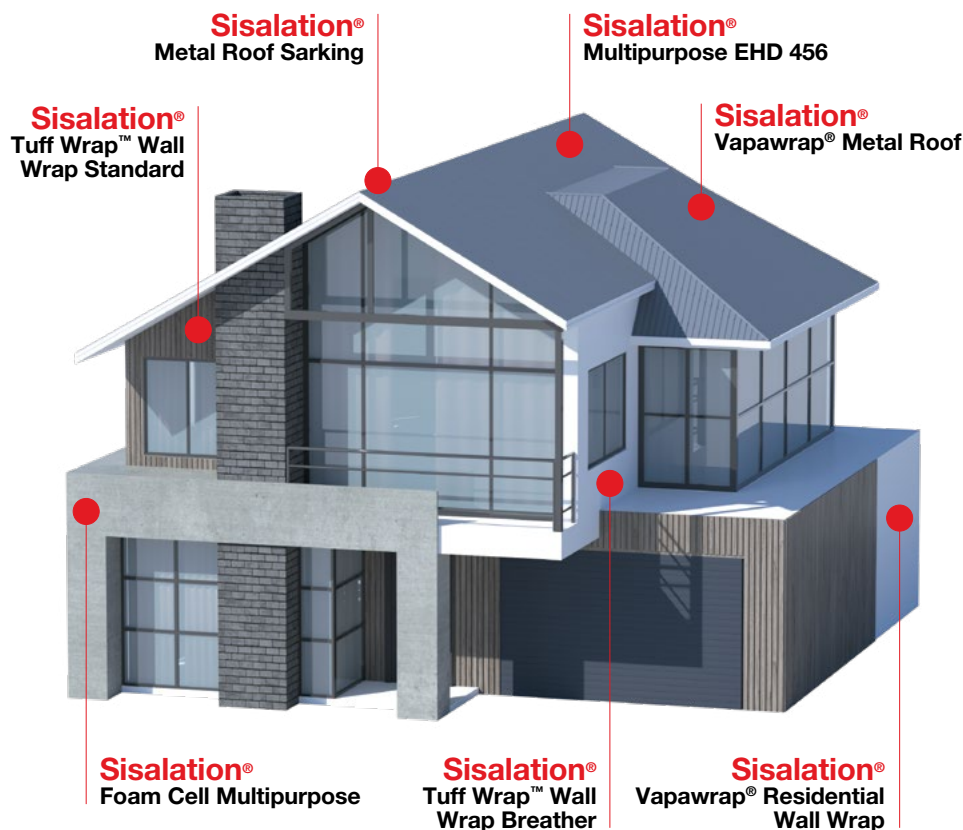
Construction Type	Climate Zone
 <p><b>Sisalation® Tuff Wrap™ Wall Wrap Standard</b> Single brick veneer with cavity wall, concrete and block walls. For Lightweight cladded walls refer to manufacturer for details.</p> 	1, 2, 3, 4, 5
 <p><b>Sisalation® Vapawrap® Residential Wall Wrap</b> Single brick veneer with cavity wall. Lightweight cladded walls, concrete and block walls. (Sisalation® Vapawrap® Residential Wall Wrap is vapour permeable Class 4 and is suitable for use behind fibre cement lightweight cladded walls in climate zones 2 and 3 – refer to manufacturer for details).</p> 	2, 3, 4, 5, 6, 7, 8
 <p><b>Sisalation® Tuff Wrap™ Wall Wrap Breather</b> Single brick veneer with cavity wall. (Note: Not suitable for light wall system where a water barrier is required).</p> 	4, 5, 6, 7, 8
 <p><b>Sisalation® Foam Cell Multipurpose</b> Double brick cavity wall.</p> 	1, 2, 3, 4, 5
 <p><b>Sisalation® Multipurpose EHD 456</b> Tile Roofs.</p> 	1, 2, 3, 4, 5, 6, 7, 8
 <p><b>Sisalation® Metal Roof Sarking</b> Metal Roofs.</p> 	1, 2, 3, 4, 5, 6, 7, 8
 <p><b>Sisalation® Vapawrap® Metal Roof</b> Metal Roofs.</p> 	2, 3, 4, 5, 6, 7, 8

# There's a **Sisalation®** product for every home under the sun.

Fletcher Insulation manufactures and supplies a comprehensive range of Sisalation® products – each designed for a specific climate zone, application and building type.

We began manufacturing in Australia in the 1940's and over the years our wrap products have been used to protect millions of Australian homes and thousands of architecturally significant buildings.

So don't compromise, choose Sisalation® to protect your build.



## Why choose Fletcher Insulation?

Fletcher Insulation really is a one-stop shop for all your thermal and acoustic insulation needs. We manufacture and distribute Sisalation®, Pink® Batts, and many other of Australia's most loved and trusted residential and commercial insulation brands.

We pride ourselves on continually improving our processes to provide products of the highest national and international standards, and technical support of extraordinary value to our customers.

Put us to the test. For help finding the perfect insulation products for your project, simply call, email or visit our website.

For further information

**1300 654 444**

Email: [info@insulation.com.au](mailto:info@insulation.com.au)

[www.insulation.com.au](http://www.insulation.com.au)



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