



**Prime**   
Roof Solutions

# **A Guide to Re-Roofing Your Home**

JULY 2021





# What's in this Guide?

If you are planning to re-roof or extend your existing roof then this guide is for you. Inside you will find tips for choosing the right profile, energy saving measures, answers to frequently asked questions and much more to help you through the process.

## Why Re-roof?

Given that your roof is the largest surface area of your home and the first line of defence against Australia's elements, roof replacement can be the single greatest improvement to your home's performance, energy efficiency and appearance.

### RE-ROOFING IMPROVES THE FUNCTIONALITY OF YOUR HOME

If your roof is leaking this can cause damage inside and above your living space. A re-roof provides a chance to replace broken tiles without the hassle of trying to match old tiles to something new. Plus it is the perfect opportunity to improve the insulation and ventilation of your roof space which can lead to a healthier, more energy efficient home.

### RE-ROOFING IMPROVES THE LOOK OF YOUR HOME

A re-roof can add value to your home and provides a great opportunity to update the look of your home.

#### THE BENEFITS OF ROOF TILES



**WILL NOT RUST,  
WARP OR CORRODE**



**STORM SMART**



**SALT SAFE**



**THERMAL  
INSULATION  
PROPERTIES**



**SOUND REDUCING  
PROPERTIES FOR A  
QUIETER HOME**



**FIRE RESISTANCE**



**TANK WATER SAFE**



**ENDURANCE &  
DURABILITY**

**TERRACOTTA ROOF  
TILES HAVE A  
50 YEAR COLOUR FAST  
WARRANTY**

**Monier™**  
ROOFING

Prime Roof Solutions is the only supplier of Monier Terracotta tiles in WA.

Terracotta tiles are a sustainable product of lasting beauty. The colour never fades as it is baked onto the surface of the clay.

Monier Terracotta tiles are backed by a 50 Year Colour and Performance Warranty.

At Prime Roof Solutions we offer a complete roofing solution. So whether you're looking to re-roof or extend an existing roof, we're sure you'll find the right roof tile in the right colour from our extensive concrete and terracotta range.

## Where do I start?

Choosing the right roof tile is a great way to add distinction, character and value to your home. From an aesthetic perspective your roof contributes significantly to the overall look of your home. About 30% of the facade of a house is made up of the roof so it has a major bearing on the end look of your home.

Consider the following when choosing a tile for your home...

### Are you Classic or Contemporary?

#### CLASSIC

What makes a classic? Styling that has stood the test of time and continues to do so, like our Hacienda tile. Traditional tiles with lapped ridging.

#### CONTEMPORARY

Flat tiles make the perfect roof choice for modern design. For added style choose a streamlined ridge, we call it A-Line ridging. A-Line Ridging is available with the Horizon concrete tile.



# Selecting a Roof Tile

## PROFILE

### Classic or Contemporary?

Profile refers to the shape and design of a roof tile. It is what gives a roof its distinct character. Prime Roof Solutions offer a wide range of profiles - from sleek, contemporary, flat tiles to more classic styles. When choosing a profile it is important to consider the pitch of the roof as some tiles cannot be installed past certain pitches.

## MATERIAL

### Concrete or Terracotta?

Prime Roof Solutions concrete roof tiles are manufactured from durable concrete that strengthens over time. Monier terracotta roof tiles are made from clay, a natural product used throughout history as a roofing material. When it comes to performance and colour, nothing is longer lasting than terracotta. Each tile is glazed and fired at a temperature of over 1,000°C, baking the colour right into the tile which allows it to withstand time and nature's elements.

## COLOUR & FINISH

Tiles come in a wide spectrum of colours - from light neutrals through to dark tones. They also come in various finishes from matt and semi-glazed through to heavy gloss finishes.



**Choice.** Create your look with roof tiles. We have a wide range to choose from.

# PRIME ROOF SOLUTIONS TILE RANGE

## CONTEMPORARY

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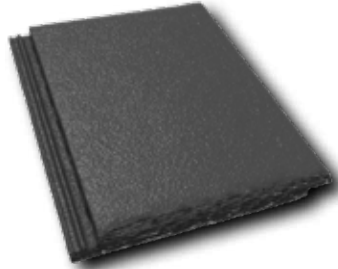


**HORIZON**  
CONCRETE



**PROVINCIAL**  
CONCRETE

RENOVATION RANGE  
**CAMBRIDGE**  
CONCRETE



RENOVATION RANGE  
**TRADITIONAL**  
CONCRETE



**URBAN SHINGLE**  
TERRACOTTA



## CLASSIC

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**HACIENDA**  
CONCRETE



**MARSEILLE**  
TERRACOTTA



**NOUVEAU**  
TERRACOTTA



RENOVATION RANGE  
**RANCH**  
CONCRETE



RENOVATION RANGE  
**SWISS**  
CONCRETE



RENOVATION RANGE  
**TUDOR**  
CONCRETE

# ROOFING ESSENTIALS Insulation, Ventilation & Sarking

Your roof is the number one source of your home losing or gaining heat. Re-roofing your home provides the perfect opportunity to improve it's thermal efficiency by adding insulation, ventilation and sarking.

## Insulation

Insulation products slow the transfer of heat and cold through your ceiling, resulting in the regulation of temperature within your living space all year round. Bulk insulation or ceiling batts fight the effects of convection heating in the roof space, while the best defence against radiant heat is a thin non-flammable membrane known as sarking. Ceiling insulation is easy to retrofit if your roof space is accessible.

## Ventilation

Whirly birds reduce both heat and moisture in the roof space. Installing them at opposite sides of the roof space allows for cross-ventilation, which can be even more beneficial.



- Expels hot air from the roof space in summer.
- Expels damp air in winter.
- Reduces air conditioning load.
- Helps reduce energy costs.

## Sarking

You only get one chance to install sarking and that is when you install a roof. We believe the benefits of sarking far outweigh the incremental cost of the product. Sarking is a flexible membrane that is laid under the roof battens during roof installation, it helps protect your home from the elements and improves the overall insulation of the roof.

### The Benefits of Sarking

- Reflects up to 95% of radiant heat entering your roof space.
- Provides added thermal insulation all year around.
- Stops condensation - minimising the chance of staining and mould growth on your ceilings
- Effective dust barrier - reducing airborne dust entering your home and paving the way for better use of your roof space.
- Fire safety - prevents burning embers entering the roof space.
- Provides additional weather protection during severe storms.



Sarking under roof tiles reflects up to 95% of radiant heat and provides a water, dust and ember-proof barrier.

You only get one chance to install sarking and that is when you install a roof.



# 9 STEP RE-ROOFING PROCESS

RE-ROOFING CAN TAKE 5 TO 7 DAYS TO COMPLETE, DEPENDING ON THE SIZE OF YOUR ROOF.



## 1. SAFETY RAIL INSTALLED IF REQUIRED

Safety is a priority. Guardrail is installed around the perimeter of the roof to prevent roof tilers from falling and to keep your family safe.



## 2. OLD TILES & BATTENS REMOVED

The old tiles, ridges and battens are removed. Care is taken over existing ceilings and fixtures.



## 3. SARKING INSTALLED

Optional, but recommended. Sarking provides insulation and reflects up to 95% of radiant heat entering the roof.



## 4. NEW BATTENS INSTALLED

New battens are installed ready for the roof tiles to be laid.



## 5. NEW TILES TRANSPORTED TO ROOF

The new roof tiles are sent up to the roof using a conveyer system.



## 6. TILE INSTALLATION STARTS

Tiles are laid sequentially up the roof from the gutter line. Fixing clips or nails are used to secure the roof tiles to the roof.



## 7. RIDGE TILES INSTALLED

Ridge tiles are installed and bedded in place using mortar.



## 8. POINTING

Pointing is a flexible material that covers the mortar and comes in a colour that matches the roof tile. It helps keep the ridge in place.



## 9. FINISH

Any Guardrail is removed, the site is tidied and any left over roof tiles are removed.

# Frequently Asked Questions

## Can I use Prime Roof Solutions roof tiles if my old tiles are another brand?

Yes. Roof installers are generally able to work with different tile widths. Where this is not possible part of the roof can be replaced without affecting the whole roof. Depending on their condition, your existing timber battens and sarking can remain. For extensions we can help you find the closest matching roof tile.

## Is rain collected from my tile roof safe to drink?

Prime Roof Solutions tiles have non-toxic surface finishes. No lead, cadmium or other heavy metals are used in their manufacture. The water that runs off the roof tiles is potable, however, other factors such as atmospheric fallout must be considered.

## I live in a high wind area, are roof tiles suitable?

Roof tiles are perfectly suited to high wind areas. In these environments we recommend the use of sarking and additional fixing methods.

## How can I make my roof as energy efficient as possible?

The thermal mass of roof tiles makes them an effective barrier against temperature fluctuations. Their effectiveness improves even more when combined with insulation, ventilation and sarking. It is important to consider installing sarking when re-roofing or extending your roof, as there is no easy way to retrofit sarking.

## What is the gloss on new concrete tiles?

The gloss on concrete tiles is created through the application of a sealer. The purpose of the sealer is to slow the release of natural salts within concrete. When these salts transition to the surface they appear as a whitish discolouration. Concrete roof tiles will lose this gloss and some colour over time. Terracotta roof tiles do not lose their colour as it is baked into the tile.

## Can I re-roof in tiles if my existing roof is metal?

Yes, if the load capacity of the existing frame is greater than 60kg m<sup>2</sup> as assessed by a structural engineer.

## Do concrete roof tiles absorb moisture?

It is a common fallacy that roof tiles absorb water during heavy downpours. All Prime Roof Solutions roof tiles comply with strict Australian Standards that specify a maximum absorption of 10% of their own weight. Testing of our tiles confirm that they absorb significantly less than this when left in water for 24 hours.

## Do roof tiles require ongoing maintenance?

There is no such thing as a maintenance free roof. We recommend an annual check to make sure gutters, downpipes and valleys are free of debris. More checks are recommended if you live in a tree lined area. We recommend that foot traffic on your roof should be minimised or eliminated.

## Checking Your Roof

**We always recommend that you use a qualified roofing specialist to check your roof.**

## RE-ROOF OR RESPAY? THE FACTS

Some people consider respraying or recoating their concrete roof tiles in order to enhance their colour. Depending on the material and method it is acceptable to respray concrete roof tiles.

A roof respray is for aesthetic purposes only - it will not extend the life of your roof. It does not repair cracks, leaks or enhance the performance of your roof. If the roof is old or cracked, having people walk on it in order to respray will increase the likelihood of further damage.

A re-roof is a worthy consideration, giving you peace of mind and adding longevity, value and beauty to your home.

Never respray terracotta roof tiles as the colour will peel away over time when applied to a glazed surface. Terracotta roof tiles are kiln fired and have the colour baked in so they will never require a respray.

## MATCHING YOUR FASCIA & GUTTER



If you build with Hacienda Sirocco roof tiles, consider matching your rainwater goods to your wall cladding.

Prime Roof Solutions do not guarantee a match to COLORBOND® steel products. The above serves as a guide only. We recommend tile samples are viewed alongside actual COLORBOND® product samples for accurate colour matching.

## Important Tile Information

Concrete roof tiles are created from controlled formulation of raw materials extruded under high pressure to achieve the tile's strength and resistance to weather. The colour applied and/or incorporated into the tile body is purely decorative. Weathering and colour change will occur and the surface will change to a matt finish as a result of exposure to the elements and air pollutants. This will not affect the overall performance of the Prime Roof Solutions Concrete Roof Tiles and is not considered a defect.

When first installed concrete tiles may exhibit some discolouration caused by the migration of naturally occurring concrete salts to the surface of the tile. This is known as efflorescence. Concrete tiles are expected to return to an even, matt appearance over time.

Terracotta tiles are created by firing natural clay in high temperatures. Glazed tiles have ceramic materials and oxides added to the body or surface of the tile. Each tile may vary in shades. The most attractive roofs are created by blending these shades throughout the roof during installation.

All tiles contain minor surface marks and blemishes. These are not considered a product defect as they are inherent in the manufacturing process. Scuffing and chip marks may occur when transported from plant to site.

Prime Roof Solutions endeavour to supply tiles similar or as near to displayed product, however no responsibility will be accepted for any variations.

**Please refer to the Prime Roof Solutions Concrete Roof Tiles and Monier Terracotta Roof Tiles Warranties for more detail.**

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