

ROOF SOLUTIONS

with enduring style





ROOFING SOLUTIONS

with enduring style

Bristle Roofing® is one of Australia's largest manufacturers and installers of concrete and clay roof tiles, metal roofing, fascia gutter, and a vast range of roofing accessories. Offering a collection of contemporary roofing products for the residential and commercial markets, Bristle Roofing is committed to providing whole of roof solutions that meet our customers needs.

Over 85 years Bristle Roofing® has developed a reputation for product innovation, quality and an unparalleled level of service and expertise which has seen the company rise to prominence as a leader in the industry.

With a range of eye catching roof cladding products available in inspiring colours, unique profiles and creative designs, Bristle Roofing® has a product to suit your style.

CONTENTS

OVERVIEW

06 *Roofing Solutions*

ROOF CLADDING

08 *Clay Roof Tiles*

20 *Concrete Roof Tiles*

28 *Metal Roofing*

ROOF ACCESSORIES

30 *Fascia and Gutter*

32 *Solar Roof Tiles*

34 *Creating a Roofing System*

36 *Sarking*

38 *Insulation*

40 *Ventilation*

42 *Gutter Guard*

*Discover
style that's
designed
to last*



Curvado, Hispania



Planum, Slate

ROOFING SOLUTIONS

All your roofing solutions from one source

Roof Cladding

1 CLAY ROOF TILES

- » The pinnacle in roofing, clay roof tiles offer everlasting style
- » Australia's most extensive range of colour and profile combinations
- » 7 profiles available
- » Offered with a Colour For Life Warranty meaning the tiles colour will never fade
- » Some clay roof tiles are offered with either a 50 Year Product Warranty or 100 Year Product Warranty
- » 10 Year Total Roof Warranty offered on all roofs we install
- » Strong and dense, concrete roof tiles offer excellent sound insulation

2 CONCRETE ROOF TILES

- » 24 profile and colour combinations
- » 3 profiles available.
- » Offered with a 50 Year Product Warranty
- » 10 Year Total Roof Warranty offered on all roofs we install
- » Strong and dense, concrete roof tiles offer excellent sound insulation

3 METAL ROOFING

- » 22 colours available on one corrugated profile
- » Offered with a 20 Year 'Peel and Flake' Product Warranty* from Colorbond Steel
- » 10 Year Total Roof Warranty offered on all roofs we install

4 SOLAR ROOF TILES

- » Solar tiles integrate with Planum roof tiles on the roof to create a seamless finish
- » Makes your roof an energy generator
- » Saves on energy costs
- » The stylish way to harness energy from the sun
- » A cost effective way to improve your home's comfort



Roof Accessories

5 EDMONDS ROOF VENTILATION

- >> Eliminates hot air from the roof space in summer to help your insulation work far more effectively
- >> Expels damp air in winter which can affect building structures and the effectiveness of insulation
- >> Decreases the heat load on ceiling ducted air conditioning
- >> Reduced energy costs
- >> An inexpensive way to further improve your home's comfort

6 ENVIROSEAL™ ROOF TILE PLUS ROOF SARKING

- >> Reflects as much as 95% of heat away from the home
- >> Acts as a barrier to dust
- >> Provides bush fire protection
- >> Is a secondary barrier to water run off
- >> Reduces the need for heating and cooling devices
- >> Provides additional storm protection

7 BRADFORD GOLD CEILING INSULATION

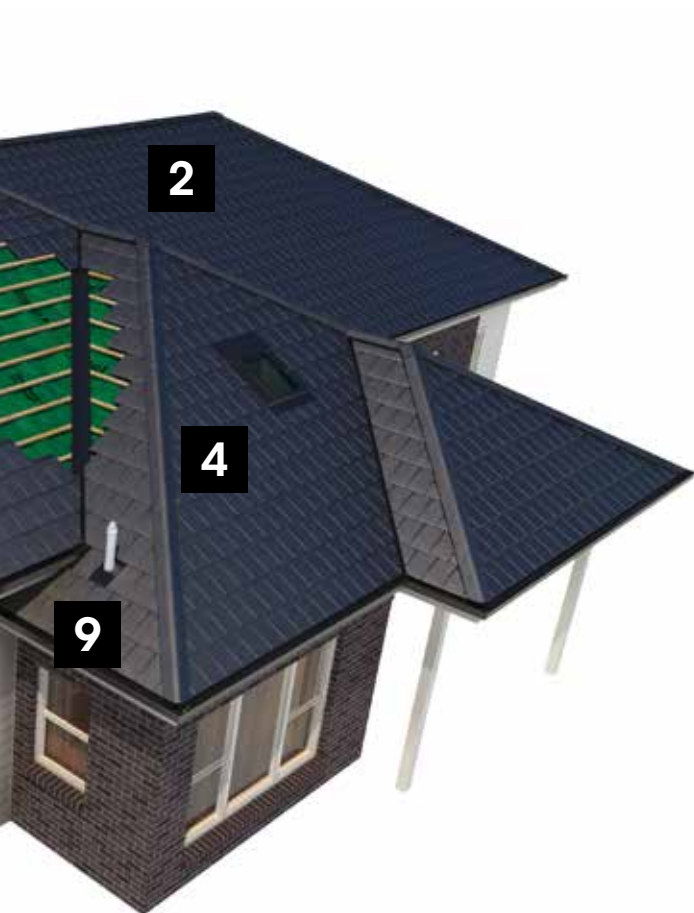
- >> Significantly reduces heat transfer through the ceiling
- >> Keeps your home cooler in summer and warmer in winter
- >> Saves on heating and cooling energy costs
- >> Lifetime guarantee
- >> A cost effective way to improve your home's comfort

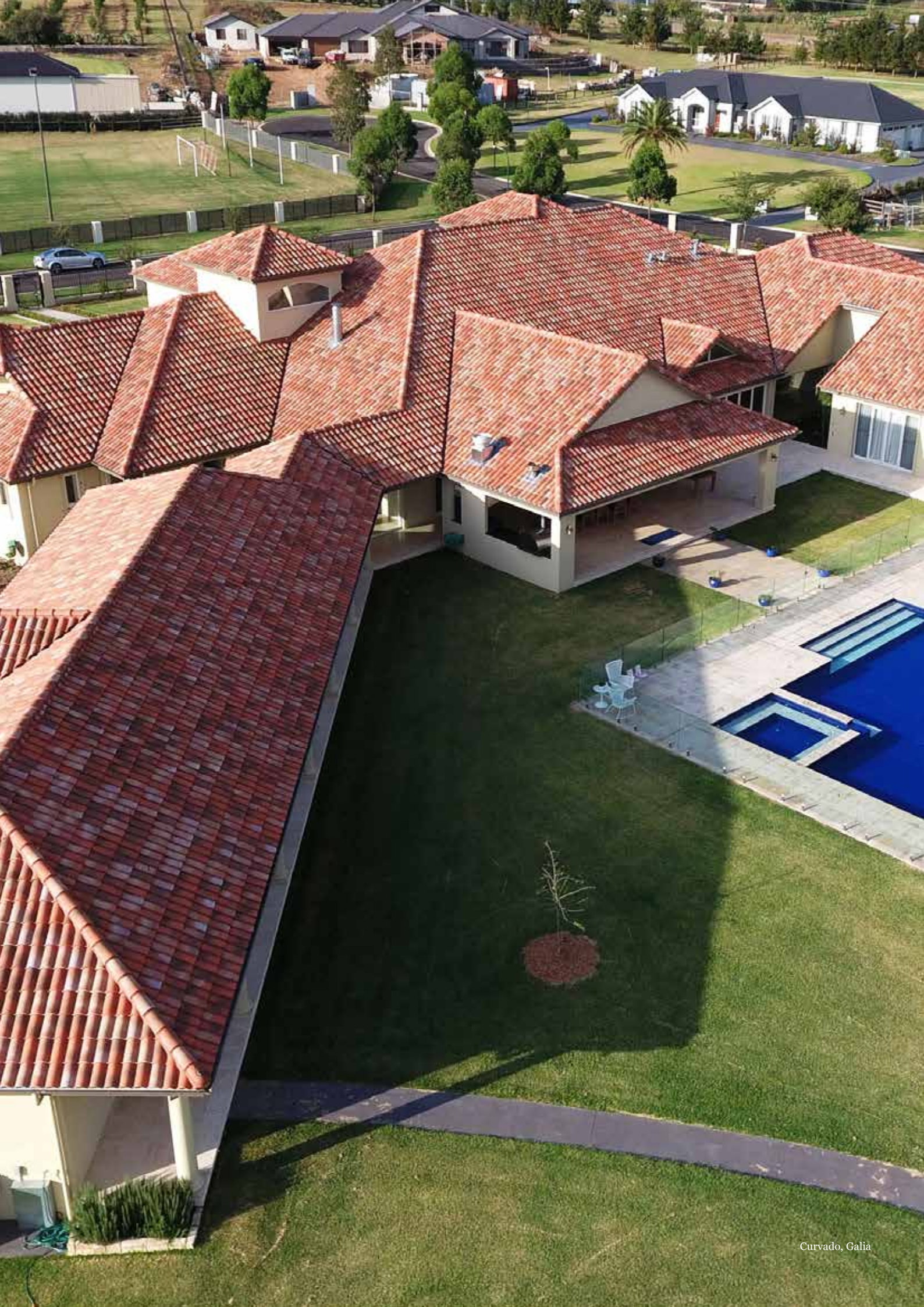
8 FASCIAS

- >> Creates a clean and contemporary finish between facade and roof
- >> Extensive range of colours
- >> Strong and durable

9 GUTTERS

- >> Choose from an extensive range of steel gutter profiles to suit your home.
- >> Extensive range of colours
- >> Strong and durable





CLAY ROOF TILES

Discover the difference

Clay roof tiles are Australia's premium roofing material thanks to their colour fast finish, sound insulation, strength and unmistakable style.

Please see the detailed reasons why European clay roof tiles from La Escandella are the right choice for your home in the list below.

Clay roof tiles are offered with a Colour For Life Warranty

Clay tiles are produced using a high firing process that binds the colour applied to the tiles surface. This means the tiles colour will remain the same for the life of the product.

Clay roof tiles are available in a vast range of colours and profiles

Bristile Roofing's La Escandella tiles offer the most comprehensive range of colours and finishes available on the Australian market. This is why we are confident we'll have a product to suit your style.

Clay roof tiles offer exceptional sound insulation

Clay roof tiles reduce external noise by up to 25 decibels which is more than twice the noise reduction achieved by other commonly used roofing materials. This means that roof tiles reduce the intrusion of external noises into internal living areas.

Clay roof tiles won't rust or corrode

Roof tiles are rust and corrosion resistant which means they are suitable for installation in even the harshest coastal environments.

Clay roof tiles are fire resistant

Roof tiles are ideal for use in bush fire areas because they are non combustible.

Clay roof tiles are lower in embodied energy than some competing products

Testing shows that clay roof tiles are lower in embodied energy than a number of competing roofing products. Embodied energy usually takes into account the life span of a given product and, in the case of clay roof tiles this life span is considerable and means the energy used in the tiles manufacture is spread over a longer period.

Clay roof tiles can reduce cooling requirements

Testing of similarly coloured roofing products shows that clay roof tiles can reflect more heat away from your home resulting in lower cooling requirements when compared to other commonly used roof materials.

La Escandella roofs installed by Bristile Roofing have a 10 Year Warranty

When you build with Bristile Roofing you build with confidence knowing that your roof is provided with a 10 Year Total Roof Warranty. Our comprehensive warranty covers the installation of the tiles and roofing accessories we install for a 10 year period.

Clay roof tiles are strong and durable

Clay roof tiles must comply with strict quality standards and are actually stronger than standard concrete roof tiles.

Water collected off a tiled roof is safe to drink

Water collected from a tiled roof is as safe to drink as water collected off most roofing materials. The raw materials used in the manufacture of modern roof tiles are non toxic and even when oxidised do not pose a health risk.

Clay roof tiles are re-usable and recyclable

Clay roof tiles can be reused by moving them from one roof and installing them on another home without the need for further processing before re installation. At the end of their useful life clay roof tiles can be ground down and recycled in the manufacture of various clay products.

Repair and replacement

Because a tiled roof is composed of a large number of small pieces, damaged tiles can be removed and replaced with relative ease. This not only reduces costs and saves time but also reduces energy expended in production of the material required to repair the roof. Competing alternatives require entire sections of the roof to be replaced even when only a small section of it is damaged.

CLAY ROOF TILES

Colour and profile range



Planum

Style and function



Caviar



Slate



Blackstone



Baltic



Cocoa



Truffle



Turrón



Wallaroo



Roja

Innova

Innovative shape and design



Caviar



Slate



Baltic



Cocoa



Turrón



Wallaroo

Vienna

Sharp modern lines



Caviar



Slate



Truffle



Wallaroo



Turrón

Visum

Slate style finish



Old England



Russet



Vermont Grey



Idella Grey



Slate



CLAY ROOF TILES

Colour and profile range



Curvado

European style



Aitana



Hispania



Castell



Lucentum



Mediterreana



Galia



Milenium



Tossal



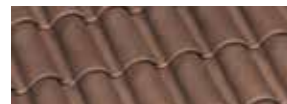
Jaspee Roja



Roja



Bourgogne



Marron

Medio Curva

Finely crafted and unique



Aitana



Cartago



Tossal



Hispania



Lucentum



Galia



Jaspee Roja



Milenium



Roja



Marron

Curvado Glazed

Bold and eye catching



White



Roja



Trans Hispania



Honey



Conac



Azul



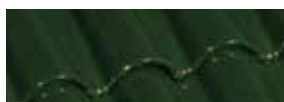
Cobalt Azul



Carmine



Olive Green



Bottle Green



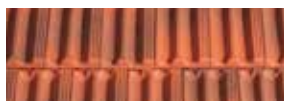
Black

Marseille

Traditional style clay tiles



Roja



Jaspee Roja



Burnt Ochre



Truffle



Slate



Granite





Clay Roof Tile Profiles



Planum

Planum Profile

A sleek, minimalist roofing product ideal for contemporary house designs.



Vienna

Vienna Profile

Features sharp lines with a sleek flat profile.



Marseille

Marseille Profile

A classic clay roof tile with a design that originates from France.



Innova

Innova Profile

Innovative new tile profile is designed to suit a range of designs.

Coverage M²: 11.3 tiles
Minimum Pitch: 15 degrees
Dimensions
 Length: 440mm
 Width: 280mm
Average Mass
 Mass per tile: 3.5kg
 Mass per M²: 38.5kg (tile only)

Coverage M²: 11.5 tiles
Minimum Pitch: 15 degrees
Dimensions
 Length: 460mm
 Width: 255mm
Average Mass
 Mass per tile: 3.3kg
 Mass per M²: 37.95kg (tile only)

Coverage M²: 11.1 tiles
Minimum Pitch: 15 degrees
Dimensions
 Length: 450mm
 Width: 280mm
Average Mass
 Mass per tile: 3.6kg
 Mass per M²: 39.96kg (tile only)

Coverage M²: 11.5 tiles
Minimum Pitch: 15 degrees
Dimensions
 Length: 460mm
 Width: 255mm
Average Mass
 Mass per tile: 3.4kg
 Mass per M²: 39.1kg (tile only)



Curvado

Curvado Profile

The Curvado profiles accentuated rounded shape and exciting range of colours make it the ideal tile for projects of distinction.

Coverage M²: 11.4 tiles

Minimum Pitch: 15 degrees

Dimensions

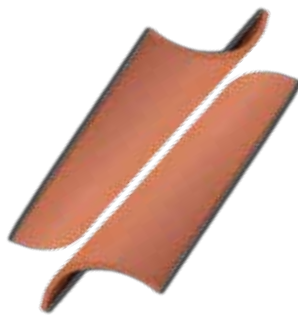
Length: 470mm

Width: 286mm

Average Mass

Mass per tile: 3.9kg

Mass per M²: 44.46kg (tile only)



Medio Curva

Medio Curva Profile

Using a distinctive system of installation, the Medio Curva tile creates an eye catching finish on any project.

Coverage M²: 22 tiles

Minimum Pitch: 10 degrees

Dimensions

Length: 500mm

Width: 210/160mm

Average Mass

Mass per tile: 2.55kg

Mass per M²: 56.1kg (tile only)



Visum3

Visum3 Profile

Creating the aesthetic of three slate tiles, the Visum3 is ideal for traditional country estate style projects and restoration of heritage buildings.

Coverage M²: 11.5 tiles

Minimum Pitch: 23 degrees

Dimensions

Length: 280mm

Width: 480mm

Average Mass

Mass per tile: 3.85kg

Mass per M²: 44.27kg (tile only)



Clay Roof Tile Warranties

*Bristile Roofing offers industry leading warranties
from a name you can trust.*



COLOUR FOR LIFE WARRANTY

Clay Roof Tiles are offered with a Colour For Life Warranty. This means that the roof tile you buy is warranted to remain the same colour for the life of the product. No other commonly used roofing material such as concrete roof tiles or metal roofing can make claim.



10 YEAR TOTAL ROOF WARRANTY

All roofs installed by Bristile Roofing are offered with a 10 Year Total Roof Warranty. This warranty states that we guarantee the roof has been installed properly and that the roof tiles and all accessory products are guaranteed against defect for a period of 10 years*.



50 YEAR PRODUCT WARRANTY

Selected Clay Roof Tiles are offered with a 50 Year Product Warranty which means the product is guaranteed to remain structurally sound and is free of manufacturing faults for a 50 year period.



100 YEAR PRODUCT WARRANTY

Selected Clay Roof Tiles are offered with an industry leading 100 Year Product Warranty which means the product is guaranteed to remain structurally sound and is free of manufacturing faults for a 100 year period.



Planum, Turron

Roofing Warranties. The Simple Facts

There are a number of roofing materials to choose from with a vast range of differing warranties, often written in legal jargon and terms that most people would have trouble understanding.

Below are the simple facts comparing Bristle Roofing's warranties with the leading alternative, metal roofing.

	Warranty applies to product installed within 200m of breaking surf	Warranty applies to product installed within 500m of salt water	Roof must be cleaned bi-annually to maintain warranty*	Warranty applied to colour longevity
COLOUR FOR LIFE WARRANTY <i>Clay Roof Tiles</i>	YES	YES	NO	YES
50 & 100 YEAR PRODUCT WARRANTY <i>Clay Roof Tiles</i>	YES	YES	NO	NO
20 YEAR FLAKE AND PEEL WARRANTY <i>Metal Roofing</i>	NO	NO	YES	NO

** Areas not normally exposed to rain must be hosed every six months. All information is correct at the time of printing.*



RIDGE OPTIONS

Clay roof tiles

Bristle Roofing offer a range of ridge options with clay roof tiles to help you achieve the finish that suits your style.

The options available are shown below:



Collarless Ridge*



Round Ridge**



Collared Ridge***



Traditional Ridge****

* used as standard with the Planum, Vienna, Innova, Visum and Vienna ranges.

** used as standard on the Curvado and Medio Curva Ranges

*** used as standard with the Marseille range

****only available upon request. Extended delivery lead times may apply.



CONCRETE ROOF TILES

Discover the difference

Research conducted by universities and independent institutions, confirms that a roof constructed from clay or concrete roof tiles offers many benefits. The research shows that roof tiles reduce energy consumption, do not rust or corrode and offer the added benefits of fire resistance and sound insulation.

Extensive testing and research has been conducted and the results show that roof tiles offer:

Affordable

Concrete roof tiles are one of the most affordable roofing products on the Australian market.

Will not rust or corrode

Roof tiles are ideal for use in coastal areas as they are impervious to rust and corrosion.

Strong and durable

Roof tiles must comply with strict standards in strength and concrete roof tiles actually increase in strength as they age.

Bushfire safe

Roof tiles are ideal for bushfire prone areas as they are non combustible.

Ideal for collection of water run off

Water run off from tiled roofs is as safe to use as that from any other roofing material.

Comprehensive Warranties

When it comes to longevity, concrete and clay roof tiles both outperform the leading competing alternative. Concrete roof tiles offer a 50 year product warranty and clay roof tiles are supplied with our famous "Colour For Life" warranty.

Extensive colour and profile range

Roof tiles are available in more colour and profile combinations than any other commonly used roofing product in Australia.

Sound Insulation

Concrete roof tiles can reduce noise by 30 decibels which is more than twice the noise reduction achieved by other commonly used roofing materials.

Reduced cooling requirements

Testing of similarly coloured roofing products shows roof tiles have a lower cooling requirement than other commonly used roofing materials.

Low in embodied energy

Testing shows that concrete roof tiles are the lowest embodied energy product of the three most commonly used roofing materials.

Offer excellent solar reflectivity

Testing shows roof tiles will reflect more heat away from the home than other commonly used roofing materials.



CONCRETE ROOF TILES

Colour and profile range

Designer

In touch with tomorrow



Surfspray



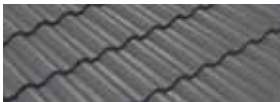
Parchment



Oak



Redwood



Limestone



Sanctuary



Magnum



Phoenix

Classic

Impressive, opulent, stylish...



Pearl



Pebble



Sand



Steel



Savannah



Bark



Mica



Gun Metal



Coal



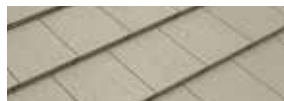
Nickel

Prestige

For a defining touch of class



Lithium



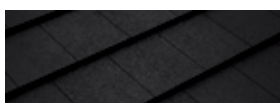
Palladium



Mercury



Titanium



Tungsten



Radium





Concrete Roof Tile Profiles



Hacienda

Hacienda Profile

A sleek, minimalist roofing product ideal for contemporary house designs.

Coverage M²: 9.2 tiles

Minimum Pitch with Sarking:
15 degrees

Minimum Pitch without Sarking:
20 degrees

Dimensions

Length: 440mm

Width: 335mm

Average Mass

Mass per tile: 4.87kg

Mass per M²: 50.21kg (tile only)



Classic

Classic Shingle Profile

Distinctively different, the Yeoman profile features a smooth finish is perfect for use on a country manor or coastal retreat.

Coverage M²: 9.2 tiles

Minimum Pitch with Sarking:
15 degrees

Minimum Pitch without Sarking:
22.5 degrees

Dimensions

Length: 440mm

Width: 335mm

Average Mass

Mass per tile: 5.43kg

Mass per M²: 55.40kg (tile only)



Prestige

Lodge Profile

The Lodge profile is a sleek, minimalist roofing product ideal for contemporary house designs.

Coverage M²: 9.2 tiles

Minimum Pitch with Sarking:
20 degrees

Minimum Pitch without Sarking:
N/A

Dimensions

Length: 440mm

Width: 335mm

Average Mass

Mass per tile: 5.39kg

Mass per M²: 55.03kg (tile only)



Concrete Roof Tile Warranties



10 YEAR TOTAL ROOF WARRANTY

All roofs installed by Bristle Roofing are offered with a 10 Year Total Roof Warranty. This warranty states that we guarantee the roof has been installed properly and that the roof tiles and all accessory products are guaranteed against defect for a period of 10 years*.



50 YEAR PRODUCT WARRANTY

Concrete Roof Tiles are offered with a 50 Year Product Warranty which means the product is guaranteed to remain structurally sound and is free of manufacturing faults for a 50 year period.



RIDGE OPTIONS

Concrete roof tiles

Bristle Roofing offer two ridge systems with concrete roof tiles: Standard Ridge and Smoothline Ridge.

Standard Ridge: The Standard Ridge system creates a stepped finish, with the nose of each ridge overlapping the ridge tile sitting below it.

Smoothline Ridge: The Smoothline Ridge system from Bristle Roofing creates a clean, contemporary finish with each ridge laid in line with the ridge above and below to create one straight ridge line. Please note that extra charges may apply for the Smoothline Ridge system.



Standard Ridge



Smoothline Ridge*



METAL ROOFING FASCIA AND GUTTER

Colour range

			
Surfmist	Shale Grey	Dune	Cove
			
Evening Haze	Classic Cream	Paperbark	Gully
			
Wallaby	Jasper	Woodland Grey	Basalt
			
Windspray	Pale Eucalypt	Mangrove	Cottage Green
			
Terrain	Manor Red	Ironstone	Deep Ocean
			
Monument	Night Sky		



GUTTERS

Profile Guide



Traditional 125
Quad Gutter (STo8)



Quad Gutter 150
High Front (ST1o)



Square Gutter
(ST2o)



Heritage Gutter

Metal Roofing and Fascia Gutter Warranties



10 YEAR TOTAL ROOF WARRANTY

All roofs installed by Bristle Roofing are offered with a 10 Year Total Roof Warranty. This warranty states that we guarantee the roof has been installed properly and that the roof tiles and all accessory products are guaranteed against defect for a period of 10 years*.



20 YEAR PEEL AND FLAKE WARRANTY

Our metal roofing products, provided by Colorbond Steel are offered with a 20 Year 'Peel and Flake' Product Warranty. Terms and conditions apply. Please see www.bluescopesteel.com.au/warranties for full details.

SOLAR ROOF TILES

the stylish way to harness energy from the sun

WHY BRISTILE SOLARCELL IS A SMARTER SOLUTION



Elegance

Bristile SolarCell's offer a seamless roof finish that incorporates solar tiles without detracting from the overall roof's finish.

Because the tiles integrate into the roof, being laid interlinked with roof tiles, they don't stand out but will still offer exceptional solar power generation.

Using solar power should never be at odds with creating a beautiful home and that's why Bristile Roofing offers its SolarCell. A smart solar solution with a smart look to match.



Upgradeability

If a bigger solar system is required in the future, the Bristile SolarCell can be upgraded by replacing standard tiles with solar tiles to capture more energy to power your home.

A three kilowatt Bristile SolarCell can be increased to a five kilowatt system (or higher) to boost solar power generation by simply adding extra solar tiles to the roof as required.



Versatility

Unlike other roof solar systems, Bristile SolarCell can be installed on more than one roof plane without diminishing performance or requiring additional inverters. This is particularly beneficial where one or more roof planes do not receive sufficient sunlight.

Roof Protection

Because they are interlinked with the other roof tiles, Bristile SolarCell's will maintain the integrity of the roof cladding. Other systems in the market require sections of the roof cladding to be cut during installation. Bristile SolarCell's are seamlessly integrated and ensure the roof cover is maintained and complete.



Efficient

Bristile SolarCell uses 44W solar modules with a bypass diode in each increasing yield above standard solar modules which translates to more power for the system.

Range of profiles

The SolarCell is available in designs to suit Prestige concrete roof tiles and Planum clay roof tiles.



	<i>Small Household</i>	<i>Average Household</i>	<i>Large Household</i>
<i>Number of people</i>	1 - 2 people	2 - 3 people	4+ people
<i>Items that could be powered by solar</i>	TV, DVD player, sound system and computer, microwave, kettle, fridge and dishwasher, air conditioning, washing machine and iron	TV, DVD player, sound system and computer, microwave, kettle, fridge and dishwasher, air conditioning, washing machine, iron and dryer	TV, DVD player, sound system and computer, microwave, kettle, fridge and dishwasher, air conditioning, washing machine, iron, dryer and pool
<i>Approximate power generated</i>	2,500 kWh pa	5,000 kWh pa	7,500 kWh pa
<i>Roof area required</i>	Approx. 14m ²	Approx 26m ²	Approx. 40m ²
<i>Recommended system</i>	1.5kW	3kW	4.5kW

Solar Tile Specifications	
<i>Conforms to Australian standards</i>	
Maximum Power	44W
Power Tolerance	-0. +3%
Open Circuit Voltage	6.5V
Short Circuit Current	8.12A
Voltage at Pmax	5.42V
Solar Panel Weight	2.8Kg
Tile Weight	10.8Kg
Solar Panel Dimension	880 x 445mm
Current at Pmax	7.38A

The Bristile Solar tile will be available to suit both La Escandella Planum and Bristile Roofing Prestige range roof tiles

All test data at Standard Test Condition AM+1.5 E=1000W/m² TC=25°C

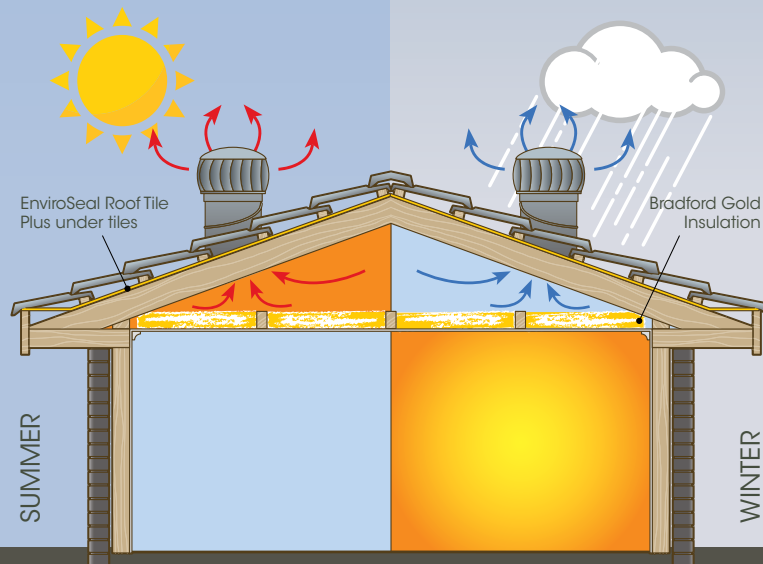


COMING
SOON

25
YEAR
PERFORMANCE
WARRANTY

CREATING A ROOFING SYSTEM

with insulation, ventilation and sarking



What's right for your home?

The best combination of insulation and ventilation for your home is dependent on a number of factors including location, aspect, windows and much more.

A Building Designer or Architect will be able to assess your particular situation and advise what's best for you.

SARKING

- Reflects as much as 95% of heat away from the home
- Acts as a barrier to dust
- Provides bush fire protection
- Is a secondary barrier to water run off
- Reduces the need for heating and cooling devices
- Provides additional storm protection



INSULATION

- Significantly reduces heat transfer through the ceiling
- Keeps your home cooler in summer and warmer in winter
- Saves on heating and cooling energy costs
- Lifetime guarantee
- A cost effective way to improve your home's comfort



VENTILATION

- Eliminates the hot air from the roof space in summer to help your insulation work far more effectively
- Expels damp air in winter which can affect building structures and the effectiveness of insulation
- Decreases the heat load on ceiling ducted air conditioning
- Reduced energy costs
- An inexpensive way to further improve your home's comfort



Good



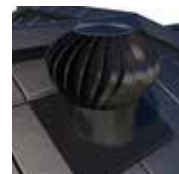
SARKING



Better



SARKING



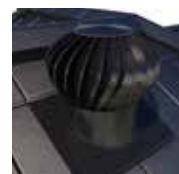
VENTILATION



Best



SARKING



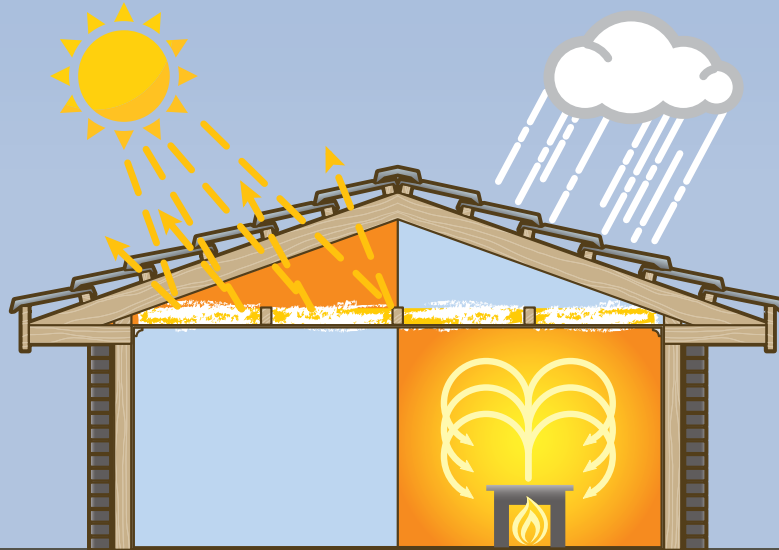
VENTILATION



INSULATION

ROOF SARKING

Create a roofing system and thermally efficient home

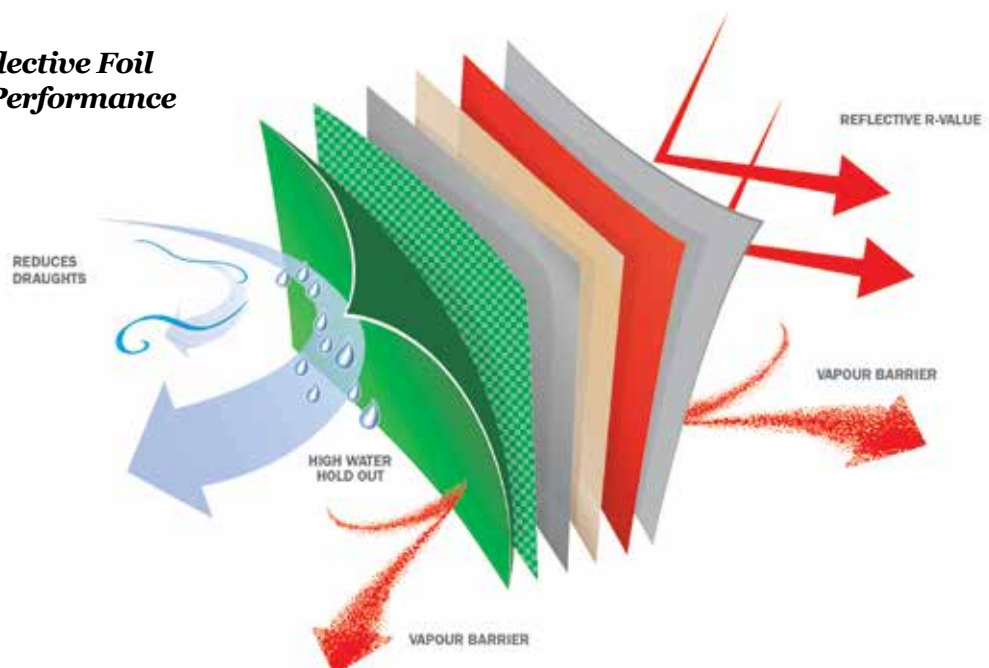


ONCE YOUR HOME IS COMPLETED

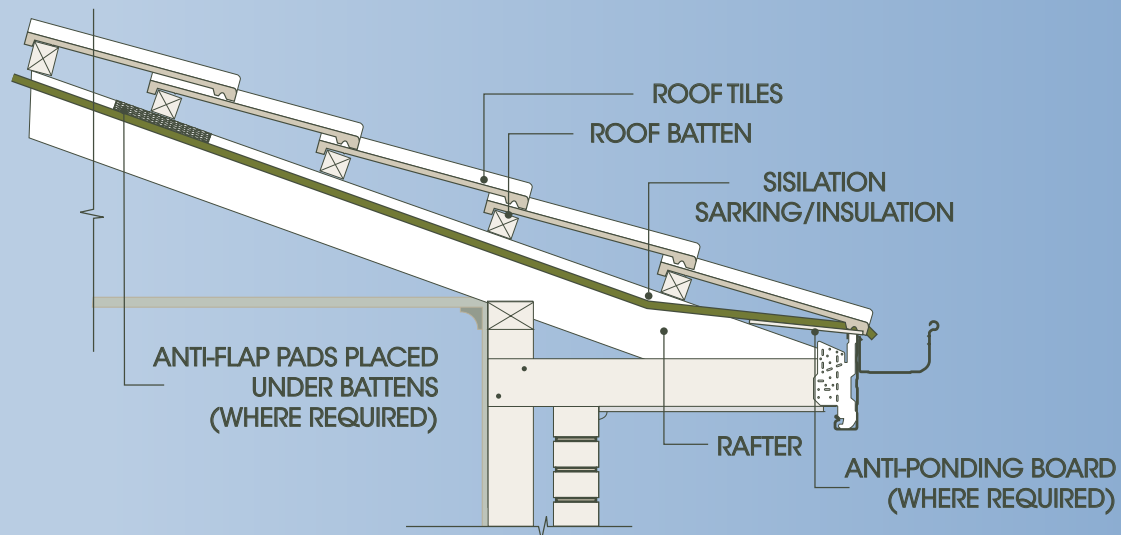
Including sarking in your roof offers a number of key benefits:

- » **Helps protect your roof cavity from wind driven rain**, which if left untreated, can result in unseen mould growth or even worse, ceiling staining and permanent damage.
- » **Helps reduce draughts in the roof space** which helps limit dust entering the home through gaps around down lights and vents.
- » **Contributes a reflective air gap R-Value** which slows the transfer of heat into the roof cavity, helping ceiling insulation create a more energy efficient home.
- » **Provides compliance to BAL bush fire ember attack** requirements in accordance AS3959 by providing a secondary form of ember protection for the roof space – all products comply with a flammability index of less than or equal to 5 when tested in accordance with AS1530.2.

Non-permeable Reflective Foil Laminate Product Performance Characteristics



Enviroseal Roof Tile Plus Sarking



PROTECTING YOUR HOME

Including sarking in your roof offers a number of key benefits:

- » **Dust barrier** – In an unsarked roof, airborne dust can enter and collect in the ceiling space, bringing potentially harmful contaminants into your home. Sarking will significantly reduce the build up of dust in your roof space, giving you a more comfortable living environment.
- » **Storm protection** – In extreme weather conditions, hail or flying debris can damage the roof. Sarking can assist channel moisture away into the gutters and protecting the interior of your home from potential water damage.
- » **Bushfire protection** – Sarking is mandatory in bushfire prone areas. Sarking helps protect your home from flying embers entering the ceiling space through the roof in the event of a bushfire.

Roof sarking

Roof Sarking under tiles provides a reflective barrier which reduces the amount of heat transfer into and out of your home.

It also acts as a weatherproof barrier to stop moisture entering your home in extreme weather conditions.

Bristle Roofing recommends the installation of sarking (an impermeable reflective foil sarking) regardless of roof pitch or the location of your home.

Energy efficiency

All new homes in Australia are now required to meet minimum standards of energy efficiency.

Installing sarking in your ceiling space will help minimise the loss of precious heat during the winter, keep your home cool during the summer and help reduce your energy use.

When installed under roof tiles, sarking will reflect up to 95% of radiant heat away from the roof space and can add up to R1.3 to the thermal resistance of the roof system.

Now's your chance



As sarking can only be fitted during initial roof installation, this is your only opportunity to ensure you enjoy the additional comfort, security and savings of a sarked Bristle Roofing roof.



ROOF INSULATION

Create a roofing system and thermally efficient home

Benefits of Bulk Insulation

Bulk insulation helps create a roofing system that makes your home more energy efficient and offers these key benefits:

- Increased thermal comfort
- Lower heating and cooling costs
- A quieter home
- This means that in summer, your home will get hot faster and in winter it will be harder to keep warm.
- The millions of tiny air cells in Bradford Gold Insulation slow the transfer of heat through your ceiling and helps regulate the temperature inside your home all year round.
- Just as insulation in the ceiling slows the transfer of external temperatures into the home, it also slows the transfer of heating or cooling in your living spaces through the ceiling/roof space.
- Without insulation, even the best designed and constructed home will allow heat to pass through external surfaces as much as 42% of a home's heat can transfer through the ceiling alone.
- Bulk insulation is a simple but effective means of reducing the need for artificial heating or cooling by creating a buffer in your roof space to the transfer of external temperature fluctuations.



Enjoy the benefits of energy savings

The CSIRO helped to develop AccuRate software which is used to rate the energy efficiency of residential dwellings. The software recognises insulation and ventilation as factors in reducing household heating and cooling energy loads.

Results for a brick veneer, concrete slab, tiled roof house, with Building Code of Australia (BCA) 2006 energy efficiency provisions 'deemed to comply' levels of ceiling insulation, show that additional savings of around 4% - 5% can be achieved by including roof ventilation. This translates into substantial savings, year after year.

Insulation saves

Bulk insulation in your ceiling slows the transfer of temperature fluctuations to internal living areas, and is a cost efficient means of achieving a more consistent temperature inside your home.

By lowering the reliance on heating and cooling appliances, substantial savings in your home's energy costs can be achieved.

Bristle Roofing recommends Bradford Gold Insulation, a trusted Australian insulation brand.

Ideal companions for air conditioning

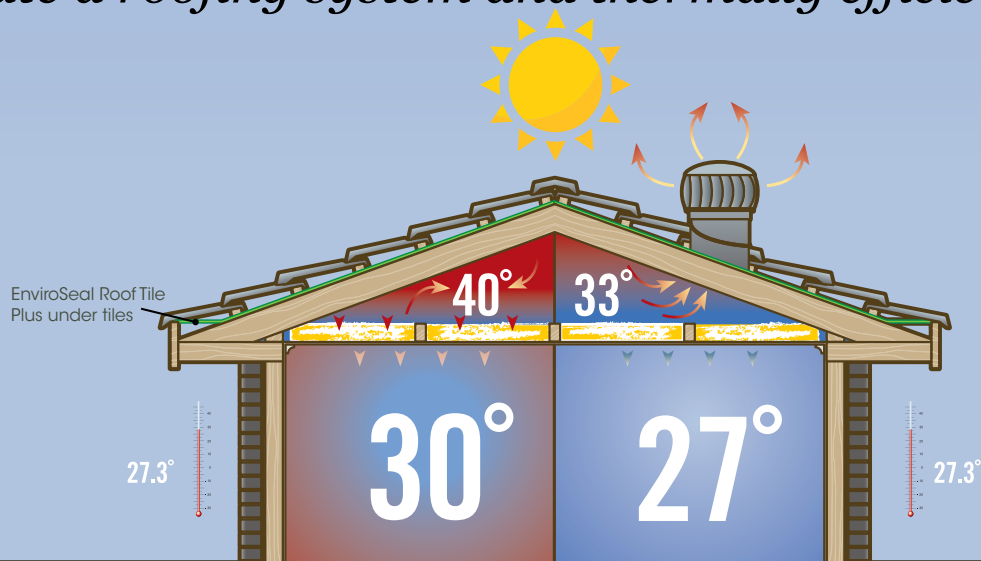
If your home is air conditioned, the inclusion of Bradford Gold Insulation and EnviroSeal™ Roof Tile Plus will help keep your home cooler in summer so that your air conditioning won't need to work as hard and as a result you won't spend as much on energy.

This is because the insulation in your ceiling acts as a buffer to the escape of artificial cooling or heating through the roof space.

If you have air conditioning ducts in your roof space, Edmonds ventilation helps even more by reducing the heat load on the ducts.

ROOF VENTILATION

Create a roofing system and thermally efficient home



Protecting Your Home

Including bulk insulation in your roof offers a number of key benefits:

- Roof sarking reduces the penetration of heat into your roof space while insulation aims to stop heat from entering living areas, but this can result in temperature build up in your roof space. Ventilation is used to resolve this issue by extracting air in the roof space and replacing it with air from outside your home.
- Reduces temperature build up in the roof space which can heat internal living areas.
 - Reduced roof space temperature
 - Moisture control in wet weather pleasant living space temperature

Roof Ventilation

When you consider that in summer, the heat inside your roof can reach over 70°C you can understand the tough job that insulation and ventilation have to do. Ventilation reduces the buildup of heat in your roof space and allows your insulation to work far more effectively.

How Does Ventilation Work?

Ventilation works actively to reduce temperature build up by replacing trapped hot air with cooler, ambient air from outside. A wind powered ventilator works through the exhaust forces created by the turning turbine.

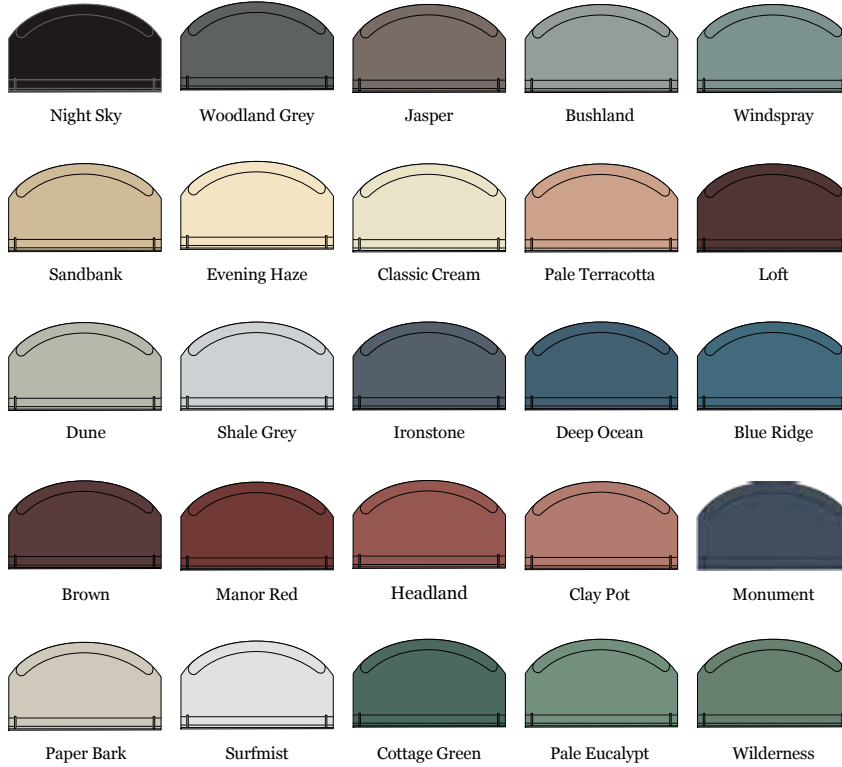
10% Cooler

In a controlled test in an uninsulated, Sydney suburban home during summer, the roofspace temperature was 17.5% hotter without ventilation. But importantly, the inside of the home was 10% cooler with ventilation.

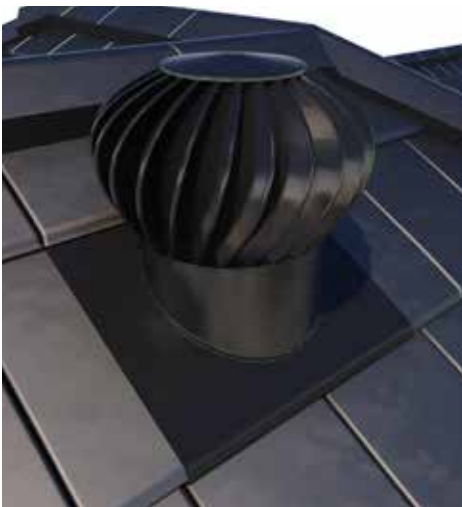
Note: Tests were carried out by Edmonds in the hallway of a sample house in Hornsby during summer. 4 bedroom, 2 storey, brick veneer, tiled, sarked roof, separate lounge and dining, double garage, approximately 35 squares.

Disclaimer: Technical information contained on this page is supplied by CSR Building Products Limited. Bristle makes no warranty in relation to such information. Edmonds Windmaster roof ventilation is recommended for use in projects with BAL ratings from Low to BAL 29.

Colour range



Colours are indicative only. Please see actual product samples prior to making final colour selections.

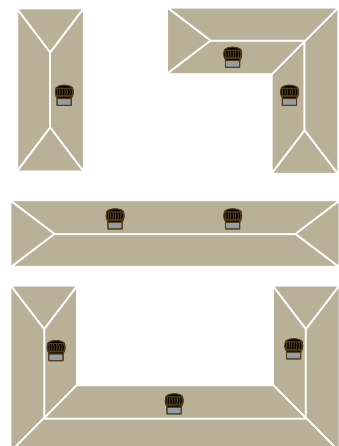


Recommended Ventilation Levels

If your roof is a regular shape, one vent is sufficient for around 10 squares (90m²) of roof surface.

Building Squares	M²	No. of Vents
<10	<90	1
11 - 20	91 - 180	2
21 - 30	181 - 270	3
30+	270+	4+

Suggested Ventilation Placement



GUTTER GUARD

reduce roof maintenance and improve water capture

WHY ROOF GUTTER GUARD SHOULD BE ON YOUR ROOF

Key benefits

- Installing roof gutter guard means you shouldn't need to have to clean your gutters again.
- Stop leaves and debris from entering and clogging your gutters or downpipes.
- Capture water from your roof without debris.
- Having the correct gutter guard dramatically reduces the chances of potential flooding of your gutters due to debris build up clogging gutters and downpipes in heavy seasonal rains.
- In bush fire areas, roof gutter guard reduces fire risks associated with burning embers entering your gutters and setting alight debris which could set fire to your house.
- Because roof gutter guard is made from metal, they are long lasting and will not perish, fade, warp or become brittle due to UV exposure. Metal gutter guards also offer a much better level of fire resistance when compared to plastic gutter guards.
- Prevents the intrusion of vermin into the roof space through gutters and valleys.
- Stops birds from entering the roof cavity through the space between the roof lip and gutter.

Overview

Roof gutter guard removes the need for gutter cleaning and helps you capture drinking water with confidence. It works by acting as a primary barrier that sits over the gutter preventing leaves and debris from entering gutters in the first place. Gutter guard allows water to drain through it with ease while creating a barrier to other debris.

Made from powder coated aluminium, roof gutter guard is designed to mould to the shape of the roof. Gutter guard sits underneath the second row of tiles at the back and is secured to the gutter using a clip at the front to ensure it remains firmly in place. This method of installation means that the mesh is secured at an angle so that leaves and debris are blown over the gutter guard into the garden below.

A build-up of leaves and other debris in gutters can increase risk of flooding, pest and vermin intrusion into your home. Standard gutters also require regular cleaning and maintenance, with the increased risks to health and safety associated from working 'at heights'. These risks are removed using gutter guard because gutter cleaning is no longer required.

Bristle Roofing's preferred roof gutter guard from Total Guard is fire rated, industry compliant and comes with a 10 year warranty for added peace of mind.

Installation at Eaves and Gutters

To ensure a secure connection the gutter guard mesh is layered on the gutter and fixed to the gutter lip with steel angle brackets. The mesh is then neatly tucked under the second course of tile and creates an smooth angle to ensure leaves and debris slide away.

Installation at Valleys

The mesh is layered over the valley and custom cut over every tile so that it can cover the valley and fix neatly onto each tile. A slip clip system is used to secure the mesh to your roof valley tiles without disturbing them or your roof layout. course of tile and creates an smooth angle to ensure leaves and debris slide away.





WE ARE

Brickworks

Brickworks Building Products is one of Australia's largest and most diverse building material manufacturers. Under the Brickworks Building Products umbrella are some of Australia's best known building materials brands. Our products include bricks, pavers, masonry blocks, retaining wall systems, precast concrete panels, concrete and terracotta roof tiles, timber products and specialised façade systems.

With a broad product portfolio and manufacturing and sales facilities across Australia, Brickworks Building Products is uniquely placed to service the demands of the building industry.

With over 1200 staff across Australia and New Zealand, we pride ourselves on our commitment to product, service excellence and our leadership position.

BRICKWORKS
— BUILDING PRODUCTS —

 **australbricks**
SINCE 1908

 **australmasonry**

 **australprecast**

 **auswesttimbers**

 **bristilerroofing**



BOWRAL BRICKS

nubrik
authentic brickwork



terraçade
TERRACOTTA FAÇADE SYSTEMS

INEX > BOARDS

Pronto Panel™



www.bristileroofting.com.au | 1300 274 784



BRISTILE ROOFING HEAD OFFICE

Queensland

164 Viking Drive
Wacol QLD 4076

Tel. +61 7 3212 2444

Fax. +61 7 3212 2499

Email. infoqld@bristile.com.au

BRICKWORKS DESIGN CENTRES

QLD

Rosedale

105 Gardner Rd
Rosedale

Tel. +61 7 3212 2444

Fortitude Valley

27 James St
Fortitude Valley

Tel. +61 7 3212 2444

Toowoomba

29 Mort St
Toowoomba

Tel. +61 7 3212 2444

Townsville

Lot 2 Blakey St
Garbutt

Tel. +61 7 3212 2444

Cairns

8 Palmer St
Portsmith

Tel. +61 7 3212 2444

NSW

Horsley Park

(NSW Head Office)
738-780 Wallgrove Rd

Tel. +61 2 9830 7888

Fax. +61 2 9830 7889

Sydney

50 Carrington St
Sydney

Tel. +61 2 9830 7388

Albion Park

45 Princes Highway
Albion Park

Tel. +61 2 4257 1566

Bowral

1 Kiama St
Bowral

Tel. +61 2 4871 2322

Newcastle

2 Yangan Dr
Beresfield

Tel. +61 2 4944 6707

Port Macquarie

1/28 Fernhill Rd
Port Macquarie

Tel. +61 2 6581 1533

Punchbowl

62 Belmore Road North
Punchbowl

Tel. +61 2 9915 9100

ACT

Canberra

7 Lithgow St
Fyshwick SA

Tel. +61 2 9830 7888

VIC

Dandenong

(VIC Head Office)
41 - 55 Elliott Rd
Dandenong

Tel. +61 3 8710 8710

Fax. +61 3 8710 8700

Lynbrook

Cnr Northey Road
& Westport Highway
Lynbrook

Tel. +61 3 8710 8710

Deer Park

972 Western Highway
(Near cnr of Robinson Rd)
Deer Park

Tel. +61 3 9361 8401

Geelong

Surf Coast Highway
Grovedale
(cnr Essington St)

Tel. +61 3 5221 2400

Richmond

490 Swan Street
Richmond

Tel. +61 3 8710 8710

Thomastown

Craigieburn East Rd
Craigieburn

Tel. +61 3 8710 8710

TAS

Hobart

9 Franklin Wharf
Hobart

Tel. +61 3 6212 9120

SA

Golden Grove

(SA Head Office)
201 Greenwith Rd
Golden Grove

Tel. +61 8 8282 6301

Fax. +61 8 8288

7264

Adelaide

70 Hindmarsh Square,
Adelaide SA 5000

Tel: +61 8 8443 2201

Fax: +61 8 8443 2200

a member of



proud supporters



Bristile Roofing is part of the Brickworks Group

The product images shown in this brochure give a general indication of product colour for your preliminary selection. Bristile Roofing recommends all customers see actual product samples at a selection centre prior to making final selections.