#### Product and inspiration guide





The worry-proof roof®

# Gerard Roofs

# The ingenious pressed steel roofing system



A Gerard roof is made up of individual lightweight pressed steel panels secured using a unique fixing system that effectively locks them together to form a single structural unit. The result is a roof that's stylish, copes with severe weather and lasts a very long time.

#### Invented in New Zealand...

In 1957 New Zealand innovator Lou Fisher saw an opportunity to create a new kind of roof. Disappointed with the limitations of solid tile and the utilitarian look of long-run corrugated iron roofs, he invented the steel tile roof and established a trusted brand that would grow to become Gerard Roofs.

#### ...proven all over the world

The company continues to lead through ongoing product development and relentless attention to quality standards. Over the years Gerard Roofs' products have been fine-tuned to endure in all living situations and are now used in over 120 countries.

The Gerard roof you put over your head has not only been proven throughout New Zealand, but in some of the most extreme climates and environments on the planet.

# Architectural Style

# A profound effect on the look of your home

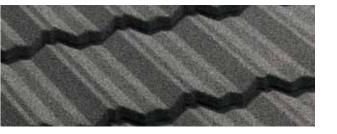


An attractive roof is a significant architectural feature.

The roof usually accounts for around a third of the overall visual appearance of a home and will have a noticeable influence on its style and street appeal.

#### The duality of pressed steel finishes

Unlike any other roofing type a pressed steel roof offers profiles with two distinct surface finishes to choose from - textured and satin.



#### Gerard roofs complement a range of styles

For many people, choosing a roof is primarily about looks. Our homes are a reflection of our individuality and their roofs are a prominent feature. Unlike most other roofing types Gerard offers a system of choices that enables you to determine the right 'look rather than having to accept a pre-defined one.

#### Traditional or contemporary architecture

Whether you're planning a traditional-looking place or something following the latest trends, Gerard Roofs have profiles to meet the brief. Milano, for example, is reminiscent of the enduring ridged roofs of the Mediterranean; by contrast, a profile like Rockport offers a slimmer, squarer more contemporary pattern.



Both have their merits but a textured stone finish is inclined to look a little more substantial yet visually softer; satin finishes tend to produce a smoother, crisper look accentuating patterns and details more.



# Choose your home's look from one of eight unique roof patterns

Gerard Roofs' range won't disappoint. With patterns, or 'profiles', that cover many roof styles, Gerard has an option whether you're looking for sleek modern planes or the ridges and corrugations of traditional tile.

Add to that a selection of 24 contemporary colours, and three roof trims to really fire the imagination.









### Gerard Corona

Combining a flat plane with continuous irregular grooves, Gerard Corona has a recurring yet organic pattern that works with many styles of home.

Perhaps because of its sheer versatility, Gerard Corona is New Zealand's most popular steel tile profile. Seen on a wide variety of homes, from the rustic and rural to the urban and urbane, Gerard Corona is almost the ubiquitous pressed steel roof.

Gerard Corona is available in a range of 24 colours: twelve in a textured finish and twelve in satin. The options are shown on pages 24-25.

Gerard Corona is suitable for new and re-roof projects in any New Zealand location.





Minimum roof pitch 15°



Available with Angle, Barrel and Box trim



Textured and satin colours to choose from





(8) Gerard Roofs Style and colour selection guide

# textured finish with angle trim







# Gerard Senator

Gerard Senator is a profile with a modern look and subtle raised detailing. Senator is known for the simplicity and uniformity it brings to a roof.

This roof embodies an understated quality that works with both contemporary and traditional architecture. The Gerard Senator profile has a distinctive verticalridge textured finish that adds refinement and helps give the roof a timeless character.

Choose from twelve textured finishes in colours inspired by rock, stone and wood. The options are shown on page 24.

Gerard Senator is suitable for new and re-roof projects in any New Zealand location.



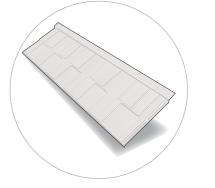


Minimum roof pitch 15°



Available with Angle trim





# Rockport in textured finish







# Gerard Rockport

Among Gerard's flattest profiles, Rockport lends your roof a sleek, linear look and is often used on clean, simple architecture with a modern bias.

The Gerard Rockport roof sits low and light providing the perfect foil for popular postmodern house designs.

You'll recognise this contemporary look in suburbs, on coastlines, and in residential enclaves all over New Zealand.

Choose from twelve textured finishes in colours inspired by rock, stone and wood. The options are shown on page 24.

Gerard Rockport is suitable for new and re-roof projects in any New Zealand location.



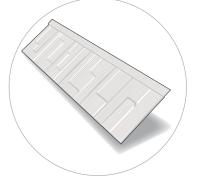
Minimum roof pitch 15°



Available with Angle trim















# Gerard Alpine

Inspired by the look of Welsh slate, the Gerard Alpine profile brings a smooth, linear look while surface detailing adds a slightly rustic overtone.

The Gerard Alpine profile has a simplicity that works with both contemporary and traditional architecture, giving the roof a continuous smooth pattern that can present a flat, almost seamless appearance when seen in soft light like on a cloudy day.

Choose from twelve textured finishes in colours that are sympathetic with natural settings and the urban environment. Options are shown on page 24.

Gerard Alpine is suitable for new and re-roof projects in any New Zealand location.





Minimum roof pitch 15°



Available with Angle trim













### Gerard Oberon

The Gerard Oberon profile has a unique depth. Its look changes with the angle of the sun and the intensity of light giving your roof a profound sense of solidity.

A Gerard Oberon roof has a look that echoes an awareness of the grand homes of yesteryear. These roofs are often seen alongside dressed stone and natural timbers on properties of substance and homes on larger sections.

Available in a textured finish and a range of twelve colours to complete the Oberon look, whatever style of home you favour. These are shown on page 24.

Gerard Oberon is suitable for new and re-roof projects in any New Zealand location.



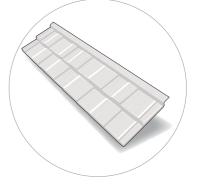


Minimum roof pitch 20°



Available with Angle trim















# Gerard Colortile

The scalloped shapes of this profile give Gerard Colortile the style of a traditional terracotta roof but in a cleaner, uniform, more modern way.

Many people choose Colortile to capture the look of heavyweight tile without its disadvantages. The profile is often seen with brick cladding on traditional homes. This roof isn't limited to that aesthetic though and is equally appropriate above plaster or weatherboards.

Gerard Colortile is available in a range of 24 colours: twelve in a textured finish and twelve in satin. The options are shown on pages 24-25.

Gerard Colortile is suitable for new and re-roof projects in any New Zealand location.





Minimum roof pitch 12°



Available with Angle, Box and Barrel trim



Textured and satin colours to choose from



# 'Charcoal' textured finish with angle trim







# Gerard Milano

With the balanced arches and flats found in traditional design, Gerard Milano is a timeless profile that creates clean, elegant and classical looking roofs.

A Gerard Milano roof brings the timeless look of substance and solidity and makes a strong statement, especially on steeply pitched roofs. It is often used with traditional materials like masonry and timber.

Choose from a selection of twelve textured finishes in colours reminiscent of stone and baked earth that reflect the profile's Mediterranean ancestry. The options are shown on page 24.

Gerard Milano is suitable for new and re-roof projects in any New Zealand location.





Minimum roof pitch 12°



Available with Angle and Barrel trim













# Gerard Tuffcoat

Gerard Tuffcoat is a geometric profile whose shapes and angles accentuate light and shadow to emphasise its corrugations and create a sense of strength and gravity.

Often used on homes displaying clear, straight lines in keeping with a bolder, stronger-looking roof, Gerard Tuffcoat is appropriate on architecture where the designer seeks the definition to make the roof a feature in its own right.

Gerard Tuffcoat is available in a range of 24 colours: twelve in a textured finish and twelve in satin. The options are shown on pages 24-25.

Gerard Tuffcoat is suitable for new and re-roof projects in any New Zealand location.





Minimum roof pitch 12°



Available with Angle, Box and Barrel trim



Textured and satin colours to choose from





Gerard Roofs Style and colour selection guide Gerard Roofs Style and colour selection guide (23)

# Textured finishes <sup>(†)</sup>



Teak

Ravine Karaka / Karaka



Lignite / Lignite

The name below each colour swatch title is the Colorcote® / Colorsteel® equivalent. These are useful for

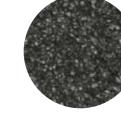
matching accessories like fascia or aluminium joinery as the names are often referred to as a colour standard.





Pepper Ironsand / Ironsand





Greenstone Karaka or River Gum / Karaka



Terracotta Scoria / Scoria



Cedar Lignite or Scoria / Lignite

Textured finishes and colours are available for all Gerard roof profiles.



Gerard Alpine

Gerard Rockport



Gerard Oberon



Gerard Senator



Gerard Milano



Satin finishes and colours are available for

the three Gerard profiles shown below.

Gerard Tuffcoat

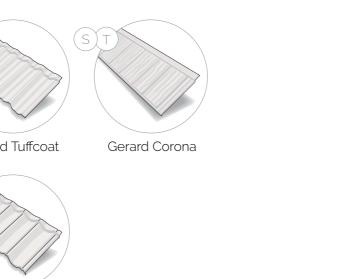


Gerard Colortile



To help you decide just the right colour and texture for your Gerard roof, we provide 150mm diameter colour samples of the actual roofing material, with real coatings, so you can see exactly what you'll get. Visit: gerardroofs.co.nz for details.

# <sup>®</sup> Satin finishes





Karaka / Karaka

Ocean Blue



Obsidian

Black / Ebony

Smoke Grey

Scoria / Scoria







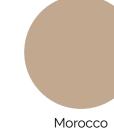


Terracotta / Terracotta

Pearl Grey

Sandstone Grey / Sandstone Grey

Graphite



Chalk

Cloud / Pacific Cloud

Beige / No equivalent

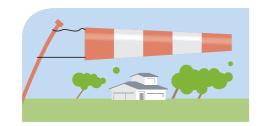
The name below each colour swatch title is the Colorcote® / Colorsteel® equivalent. These are useful for matching accessories like fascia or aluminium joinery as the names are often referred to as a colour standard.



# There are many good reasons Gerard's called 'the worry-proof roof'.

Along with the style, versatility and aesthetics of Gerard roofing there are numerous commonsense, practical reasons to specify Gerard for your home. The following pages are a summary of the attributes that set Gerard apart from any other roofing when it comes to product performance and durability.















#### Long lasting in any environment

All Gerard Roofs' products have been developed to last a very long time.

The protective coatings include a special combination of aluminium and zinc which provides up to eight times the corrosion resistance of longrun corrugated steel roofing products with other coatings. These aluminium-zinc coatings are themselves beneath layers of acrylic polymers which are twice as thick as those on most corrugated metal roofing.

Even if your home is built near the sea, your Gerard roof won't require any special materials, additional coatings or extra fastenings to stand up to the challenge.

#### Engineered to stay on in a hurricane

Isolated in the 'roaring forties' at the bottom of the Pacific Ocean, New Zealand can be a windy place. So it's comforting to know that your Gerard roof is significantly more secure than vertically fixed roofs like concrete tiles or longrun corrugated iron roofing.

In fact, Gerard Roofs' system of horizontal fastenings has been proven to withstand wind loadings of more than 6kPa, - equivalent to a wind speed of 350kph (stronger than the wind force of a Category 5 hurricane).

With Gerard, you can build in a high wind zone with no additional fastenings nor other special materials.

#### Coatings that keep their good looks

More directly exposed to the elements than any other part of your home, your roof is especially susceptible to dust, storms, solar damage and the threat of fading colours.

Gerard Roofs has built protection in. A textured finish is made up of fragments of natural stone or stones with ceramic pigments fused to their surfaces. Their colour is part of their makeup and inherently resists fading and discolouration.

Gerard Roofs' satin finishes are multilayered; special light-fast pigments using UV protection technology are part of a coating that's twice as thick as that on most corrugated metal roofing.

#### Leak-proof in the worst downpours

Gerard roofs have been designed to keep your home dry, come what may.

As the inventors of pressed steel tile technology, Gerard Roofs developed their flashings and fixings to resist the heaviest downpours. The patented gutter stopend, for example, ensures no overspill where the roof connects with a wall or ridge. Of course, unlike traditional concrete or clay tiles, Gerard pressed steel panels can't crack and let water through.

Even in countries where monsoons and tropical cyclones are commonplace, Gerard roofs have been proven to be stubbornly weatherproof.

#### Don't worry about the woes of winter

Gerard lightweight roofs have been well proven in the cold. They are impervious to snow, frost or ice and, because the tiles have a high strength-to-weight ratio Gerard roofs can easily withstand heavy snow loadings, with appropriate design. Also, as the panels of a Gerard roof are securely interlocked, there's no risk of snow blowing underneath them into the roof space.

Gerard roofs with textured coatings are especially good in the snow because the textured finish ensures a slow. safe thaw. This helps prevent 'snow dumping' – sudden snow-slips from the roof - which can damage guttering and be a hazard.

#### Interlocking steel adds fire protection

Research shows that when a largescale fire breaks out, one of the ways it can quickly spread from house to house is through flying embers that find their way into the roof space of one house after another

Because Gerard pressed steel tiles are securely interlocked, the risk of flying embers entering the roof space is greatly reduced.

Gerard roof systems have been rigorously tested and are approved for use in at-risk areas like Australia's highest bush fire zone (BAL-FZ). A Gerard lightweight pressed steel roof is considered among the most fire-safe roofs available.

#### A Gerard roof won't crack with impact

With 90mm diameter hailstones (bigger than cricket balls) the Sydney hailstorm of 1999 was one of the most expensive natural disasters in Australian history. During the storm, numerous slate, clay and concrete tile roofs were smashed and broken.

In contrast, homes with a modern, lightweight Gerard pressed steel roof fared much better. Being steel, the tiles suffered a dent or two in some cases. but they stayed largely intact and weatherproof.

In terms of impact resistance, a Gerard roof is categorised under the internationally recognised UL standard as having the highest possible rating.

#### A lightweight roof is a load off your mind in earthquake areas

If you live in an area where earthquakes occur, a Gerard roof is a reassuring option. The way the roof is fixed effectively locks it together as one element that can help brace the home's structure. Individual panels are unlikely to shake loose and fall through ceilings.

Being lightweight, a Gerard roof can also place significantly less stress on framing already weakened by an earthquake. A roof area of concrete tile that would weigh around 10.0 tonnes would weigh as little as one tonne with a Gerard satin finish roof, or 1.7 tonnes with a textured finish.



#### Safe drinking water from your roof

If you live in a rural environment where you use run-off water from your roof for drinking and other household purposes be assured that water from a Gerard roof is completely safe.

As a precaution we do suggest people allow three good rainfalls, after the roof is initially installed, to make certain any residues from manufacturing or installation are thoroughly washed away before collecting and storing the water.

Water derived from a Gerard roof more than meets the World Health Organisation standards for drinking water.

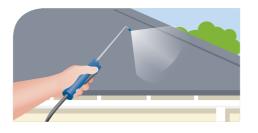


#### Gerard Certified Roofers are timely and precise

Gerard roofs are only installed by Gerard Certified Roofers: experienced, professional contractors, trained to install to the highest standards.

When your Gerard roof arrives on site, it comes with everything needed. Our GCRs carry specialised cutting and bending equipment so installation can take place smartly without any delays.

With some other types of metal roofing, installation requires roof panels to be cut off-site. Measurements for flashings can't be taken until most of the roof is installed, which can add days to installation time as the flashings are then made elsewhere too.



#### Maintenance is just a periodic cleaning

Aside from removing dead leaves and other airborne debris, the only maintenance a Gerard pressed steel roof requires is a clean with an appropriate roof wash every three to five years to help prevent the growth of algae, moss and lichen.

The work can be undertaken by our recommended contractors or many homeowners are able to carry out this routine maintenance themselves.

If your roof is used for rainwater collection, make sure you disconnect the run-off water from the water tank before cleaning, to avoid the danger of tainting your water supply.



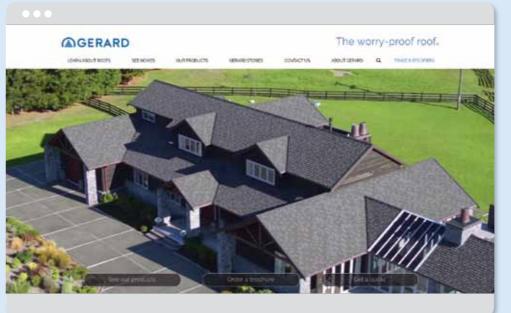
#### Roofing that's kind to the planet

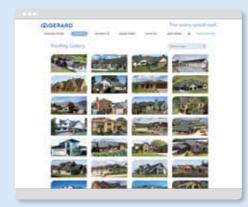
A Gerard pressed steel roof is an environmentally responsible choice.

Pressed steel roofing generates minimal manufacturing, construction site and demolition waste.

A pressed steel roof is lighter than its concrete or clay equivalent, which means transportation is more energyefficient. It requires less framing support, which also saves resources. Steel is endlessly recyclable too.

Gerard Roofs is conscious of its environmental footprint and was New Zealand's first roofing manufacturer to be awarded ISO 14001 environmental accreditation.





#### Comprehensive photo gallery

A wide range of homes with Gerard roofs. See over 50 different examples of styles, profiles, colours and designs.



#### Gerard customer stories

Magazine-style articles about home owners give you first-hand insights into how Gerard roofs perform in real life.

# Get real-time inspiration

#### You'll find tools and help on our website

At Gerard's extensive website there's a wealth of helpful information about roofing and roofing choices: product pictures, a price guide and an extensive gallery showing photos and details of homes with Gerard roofs.

The website also hosts Gerard Roofs' unique Drive-By Selector tool – locate homes with Gerard roofs anywhere in New Zealand and see the real thing in situ.

You can order colour samples that are made from the actual roofing material so you can get a proper look at the colour you're considering.



The website is

out and

about.

designed to work

#### www.gerardroofs.co.nz



faultlessly on mobiles so you can use location finding tools when you're

#### Unique Drive-By Selector tool

Locates nearby homes with Gerard roofs so you can see how different colours and profiles look in real life.



# Technical details that inspire confidence

Gerard Roofs products have been developed and improved over sixty years of building in New Zealand and around the world.

We've honed our processes and materials to create the most durable roofs we can with the accumulated knowledge that exists today.

These pages outline a few of the facts underpinning Gerard Roofs' enviable technical prowess.

#### Engineered to withstand extreme wind loadings

New Zealand building regulations require roofing to withstand a wind loading up to 3.8 kPa. Gerard's pressed steel roofing system has been proven to withstand wind loadings of more than 6 kPa. with no additional fastenings or special materials. This is equivalent to a wind speed of 350 kph (stronger than the wind force of a Category 5 hurricane). Other roofing systems require specialised fastenings and/or materials for high wind zones.

#### Pressed to shape before applying polymer acrylics

Gerard panels are primed and pressed to shape before final protection layers are applied. This avoids the problem of micro-cracking, which can occur in products pressed from pre-painted steel, like longrun.

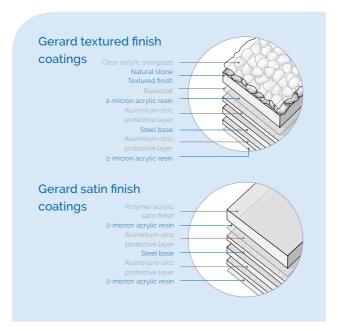
#### Watertight flashings

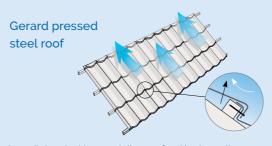
Gerard Roofs have a simple, clever flashing system for places where the roof connects with other surfaces. These purpose-designed flashings, some of which carry world patents, were developed to ensure complete weatherproofing in all areas.

#### The combined properties of three metals

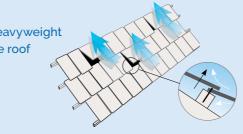
Gerard pressed steel roofing begins with the strength and resilience of New Zealand steel, coated on both sides with a protective layer of aluminium-zinc. This resilient alloy combines the sacrificial protection of zinc, as used in galvanising, with the natural barrier protection of aluminium.

In almost every environment, Gerard pressed steel roofing provides superior performance and a significantly longer service life than a galvanised steel roof has.

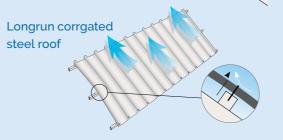




Gerard's interlocking steel tiles are fixed horizontally at right angles to wind-lift forces. Each tile has eight separate fasteners. Their ribbed shape also helps reduce wind lift by creating ripples in the surface air movement reducing its inherent lifting ability.



Heavyweight tile roofs are fastened vertically and often only along one edge, making them particularly vulnerable to wind-lift forces.



Longrun corrugated iron roofs are also fastened vertically making them susceptible to wind-lift forces. The action of the wind and its rapid movement on their smooth surfaces also contributes to the threat of uplift.

#### Horizontal fastening for maximum hold

When high wind passes over a roof it creates lift, like air over an aircraft wing. Fixings positioned vertically, in line with the direction of these lifting forces, are the least inclined to hold fast, yet most roofing systems in New Zealand use vertical fastenings.

Gerard pressed steel tiles, however, are designed for horizontal fastening. This is the strongest holding direction, because it is at right angles to the lifting forces. Plus there are eight to ten fasteners holding down each Gerard pressed steel panel.

Where whole neighbourhoods have lost their roofs in storms. Gerard roofs have held fast and continued to protect their owners' homes.

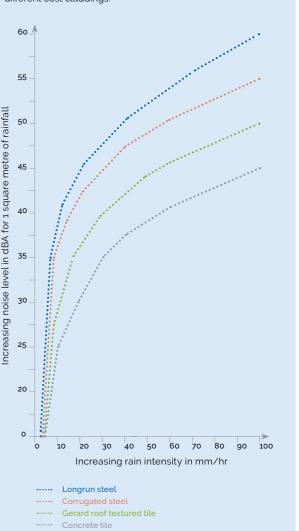
#### The sound of the rain

Love it or hate it, rain on the roof makes a sound all of its own. The noise it makes on a Gerard pressed steel roof with a textured finish has been likened to tinkling, rather than the rattling it makes on corrugated iron.

The sound of rain on a Gerard satin finish roof is similar to that from a corrugated iron. Different roof types do have different audio characteristics, as the chart on the right shows.



Rain noise in dBA through simple roof system of 100x50mm joists at 750mm with 12mm softboard as ceiling with different cost claddings.





#### A Comprehensive pro-rata warranty

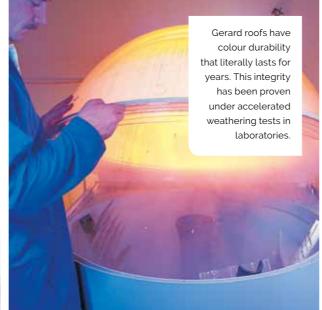
For decades the Gerard Roofs' warranty has been considered by many as the 'gold standard' for the roofing industry in New Zealand.

We go out of our way to provide the best cover we can under New Zealand building law and to also make sure that we explain the details clearly in terms that people can understand. Building is a complex process and product warranties within the industry often reflect this.

You can get full details from our website: gerardroofs.co.nz

Gerard Roofs Style and colour selection guide

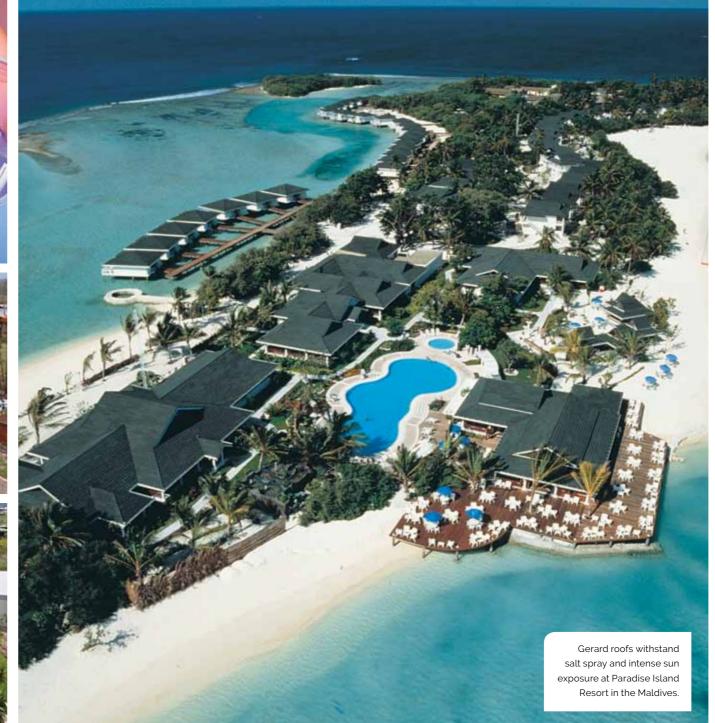


















The Sydney hailstorm 1999: The Gerard roof in the centre remains intact while houses on either side with concrete and clay tiles sustain major hail damage.





#### Cover photo:

House features Gerard Corona profile with angle trim, in Charcoal.

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