



**GERARD**The worry proof roof

The worry-proof roof





# DON'T WORRY, IT'S A GERARD!

Over the past 60 years, we've played a major role in enhancing the environments in which people live and work. Through product development and continuous creativity over six decades, we've found a myriad of ways to put the perfect finishing touches on the home of your dreams!

Today, we're the world leader in pressed steel roofing technology with stone chip. We export our roofs to over 130 countries and, as we travel throughout the world, we also collect the best and brightest of international innovation and style to bring home and share with you. We're proud of our design and engineering talent. We also take huge pride in our skill and expertise when it comes to committing the most desirable roof styles and profiles to natural stone on steel. Our range is extensive and stylish, offering versatile and evocative profiles and a superb selection of colours.

Your home is your shelter so it's important to know your roof will protect and perform in the most extreme climates. Thanks to superb material structure, well-thought design and unique fastening system, GERARD roofs are durable and safe. Roofs for all seasons.

In this brochure we've included homes and roofs designed to inspire. Facts and figures to motivate further research. Mixes and matches to start your very own process of design and decision-making. Roofing ideas and offers that put us on top of the world in which you live, work and play. And, as I write and turn these pages, I ask myself: who could read this and not, at the very least, start to dream ... enjoy!

#### **DARREN SCHULZ**

James he

President and Group General Manager, Roof Tile Group at Fletcher Building



## **ABOUT THE** COMPANY

As AHI Roofing Ltd. we are part of a massive parent company, Fletcher Building, established in 1909. Fletcher Building is a leading manufacturer and New Zealand's largest public company.

AHI Roofing leads the world in steel roof tile production and technology. Recognition of market needs and demands has been the hallmark of our success. GERARD® is our brand of roof tiles and an established name in roofing industry.



YEARS OF **EXPERIENCE** 

**MANUFACTURING PLANTS** 

**REGIONAL OFFICES** 

>1M

**ROOFS PLACED ON HOMES AND BUILDINGS** 

#### **TRADITION**

GERARD was born over 60 years ago when a brilliant New Zealand innovator, Lou Fisher, produced the world's first steel tile with chip in 1957. In the following five decades the concept was developed using leading-edge technology to produce roof styles to suit world markets.

Throughout these decades we expanded on all continents as more and more people came to understand the significant benefits of lightweight steel roofs.

#### **WORLDWIDE PRESENCE**

With plants in New Zealand, USA, Hungary and Malaysia, The Fletcher Building Roof Tile Group is the world's largest manufacturer of stone chip coated steel roof tiles.

With our 11 regional offices around the globe, we're well placed to cover and protect over a million homes and buildings around the world.

#### WE SELL OUR ROOFS TO OVER 130 COUNTRIES

Recognizing and meeting diverse market needs has been fundamental to our success. In every country in which we manufacture we have ISO 9001 accreditation, reassuring our customers that our products are designed and manufactured to consistently high quality standards.

Our modern lightweight steel tile roofs protect more than half a million homes in more than 130 countries against nature's extremes.



In 2009 AHI Roofing commissioned its newest manufacturing facility at Várpalota, an industrial town in Western Hungary. The plant is sourcing its key raw materials from New Zealand.





## 60 YEARS OF KNOWLEDGE & **EXPERIENCE**

AHI Roofing is proud of its heritage as a supplier of premium roofing products for more than 60 years.

#### **ROOF FOR EVERY TASTE**

Whatever your roofing needs - domestic or commercial, new or reroof, modern or traditional – a GERARD® roof can provide the solution. With 6 distinctive profiles in a wide choice of colours, our aesthetically appealing and long lasting GERARD® range of roofing products can fulfill all your design requirements and protect your property from the extremes of nature for many years.

#### INNOVATOR IN THE AREA OF COATED. PRESSED METAL ROOF TILES

We developed the first of these in 1957, in New Zealand, and we are still the largest manufacturer of coated pressed metal roof tiles in the world. We continue to lead the industry in pressed metal roof tile technology, with four manufacturing plants around the world: New Zealand, the United States (California), Malaysia and, since 2009, Hungary. In addition, a manufacturing plant in Belgium operates under license to AHI Roofing, utilizing our original technology and selling the tiles under our Decra® trademark.

Our plant in Europe was designed by our engineers from New Zealand and is the culmination of over 60 years' experience of manufacturing coated pressed metal roof tiles. It produces the popular GERARD® roofs range of tile profiles and complete roofing systems.

AHI Roofing has built an extremely strong presence in Europe over the past fifty years. Now, with our new European based operation and autonomous local management, extensive we are strongly committed to meeting the diverse requirements for the highest quality roofing products in our extensive European markets.

In addition, we remain committed to increasing our reputation for customer service to an even higher level.

Where AHI Roofing leads, others follow. AHI Roofing has dominated the world market for coated pressed metal roof tiles for more than five decades. It was not until the 1990's that other companies recognized our success and endeavored to emulate us. To remain at the vanguard of the industry, AHI Roofing continues to focus on research, development and design innovations to meet individual market needs for premium, long lasting roofing products.







## **PLANET EARTH WOULD CHOOSE GERARD ROOF**

A GERARD pressed steel roof is one of the most environmentally friendly roofing choices.



#### STEEL IS ECO-FRIENDLY MATERIAL

In fact it can be recycled infinitely, without losing any of its qualities. So when a GERARD metallic roof reaches the end of its useful life, it doesn't need to end up in landfill. It can be re-worked into another steel product.



#### TRANSPORTING STEEL TILE **REQUIRES LESS ENERGY**

Concrete and clay tiles can be bulky and heavy. One houselot would require one average-size truck for transport. The same truck could carry enough GERARD pressed steel roofing for about 10 homes, using less energy (and therefore less carbon) to transport



#### A ROOF REQUIRES LESS FRAMING TIMBER

Compared to a concrete tile roof, a pressed steel roof doesn't require as much framing support, which saves resources. In other words less trees are needed for a GERARD steel roofs than for concrete or clay roofs.



#### **LOCAL PARTNERS ARE GERARD'S PREFERENCE**

It is of paramount importance for us to work with local partners, which shortens the transportation routes and reduces CO<sub>2</sub> emissions. If possible we aim for transportation by rail as well.





Since our founder Lou Fisher produced the first-ever coated steel roof tile in 1957, we have fine-tuned our product to perform in all living environments.

Our remarkable track record continues to fuel homeowner confidence. Feedback we've received over the years tells us clear reasons people choose a GERARD roof over other types.

1. A PREMIUM ROOF THAT'S AFFORDABLE

People recognize a top-of-the-line roof and are often surprised that the overall cost of a GERARD pressed steel roof is similar or even lower than of one in a clay or concrete tile roof when everything is taken into account especially long term.

If you live in a coastal or high-wind location, a GERARD roof is likely to be less expensive than any other type of roof because it won't require special materials or fastenings to cope with extreme conditions.

GOOD LOOKS THAT
ARE MADE TO LAST

Your roof contributes a great deal to the overall appearance of your home, so choosing a material that continues to look good decade after decade contributes to your property's street appeal and resale value.

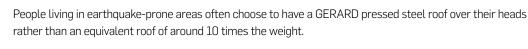
GERARD's multi-layered coatings, UV protection technology and special light-fast pigments provide superior resistance against environmental fading and discolouration so your home looks good for longer.

Even if your home is built at edge of the sea, your GERARD roof won't require any special materials, additional coatings or extra fastenings. Testing shows that aluminium-zinc coated steel roofing materials have up to eight times the corrosion resistance of other steel roofing products.

A LIGHTWEIGHT ROOF DESIGNED TO STAY
SECURE IN A HURRICANE OR AN EARTHQUAKE

The fact that GERARD's roofing system is designed to withstand just about anything is reassuring. GERARD's pressed steel roofing system has been proven to withstand wind of speed 200 km/h with no additional fastenings or special materials. Other roofing systems require specialized fastenings and/or materials for high wind zones.





Lightweight and strong, our roofs were well-tested in many earthquakes in New Zealand, home of GERARD roofs and in Japan.

#### **GERARD ROOFS ARE LOW MAINTENANCE**

Apart from occasional cleaning, especially in polluted areas or in proximity of forests, no maintenance is needed for GERARD roofs.

Not even after summer storms when other roofs may be damaged and need tile replacement. GERARD tiles do not crack in wintertime due to very cold conditions.

#### **INSTALLATION IS QUICK YET PRECISE**

GERARD roofs are installed by experienced, professional roofers, trained to install to the highest standards.

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

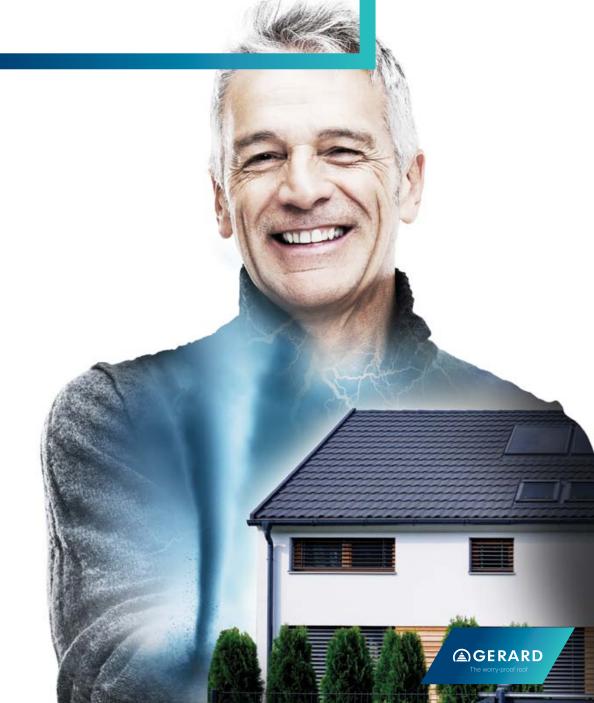
The light-weight nature of GERARD roof tiles means that they can be transported with ease to places that are inaccessible by large trucks. This is of particular relevance in mountain areas, where sites can only be reached by vans or pick-ups. And, as they are made from steel, GERARD roof tiles will not break in transit

#### **IDEAL FOR RE-ROOFING**

Replacing your roof with GERARD is straightforward. Let's face it, a re-roof is a 'grudge purchase'. When you do decide you have to replace yours, you want to do it quickly, inexpensively and with as little fuss as possible. That's what GERARD roofers are trained to accomplish.

Because of lightweight nature of GERARD tiles, there will be no need for reinforcing your old roof structure. In some cases, it is even possible to lay GERARD above existing tiles. We save you time and money.





## THE ROOF THAT **SURVIVES THE WORLD'S WORST** WEATHER

We need to protect our homes. More than ever. In the midst of climate change we need a worry-proof roof for our houses. Not an average roof but one, which is up to tomorrow's challenges. GERARD is called the worryproof roof not without a reason.





#### **LIGHTWEIGHT & EARTHQUAKE** RESISTANT

Save money by installing GERARD's lightweight roof tiles on your house! Substantial savings can be achieved in structural costs. The reason is that even old and weak roof structure can support GERARD and it does not need to be reinforced or replaced.

We say at GERARD: "Lightweight roof can knock out the heavyweight." Being up to 10 times lighter than heavyweight roof tiles, extreme weather resistant roof tiles can even withstand smaller earthquakes. There are documented instances of other heavyweight roofing products collapsing homes while GERARD roofs in the same street remained intact and with minimal damage. Weakend walls can tolerate light weight roof and interlocking tiles result in strong roof.

#### WIND & STORM **RESISTANT**

Hurricanes and high winds are more likely these days but needless to worry under GERARD. 200 km/h hurricane can come your way but GERARD extreme weather resistant roofs could resist even that!

With unique, horizontal fixing system of GERARD, we fasten each panel horizontally at 8 different points with strong fasteners or nails to roof battens, thus wind shear is virtually eliminated. Most other roofing products relay on vertical fixing methods that are prone to lifting in high winds.





#### HAIL RESISTANT

Extreme changes in our climate may bring huge hail stones damaging roofs. Not worryproof GERARD roofs! Our roofing system is resistant to damage from hail stones up to 30 mm. Even a massive hail stone as large as 90 mm cannot penetrate GERARD roofs, thus the roof's weather security remains intact.

## SNOW AND ICE RESISTANT

A potential life saver is built into every single GERARD profile through the stone chip coating. Its rough texture will not allow snow slides but holds snow in place until it melts naturally and harmlessly. GERARD can withstand snow loading and there is no degradation of the surface coating when exposed to ice or frost!





#### **FIRE RESISTANT**

A house on fire can collapse under a heavy roof, but less likely under GERARD's lightweight, pressed metal roof! GERARD roofing system is resistant to fire as the incombustible steel substrate and surface coating prevents even the spread of flames. With every tile being securely fastened at eight points, there is little chance of the roof collapsing and will not allow sparks penetrating through into the house. As a result GERARD roofs have passed stringent international fire tests.

#### **NOISE RESISTANT**

A GERARD roof is excellent in comparison to other steel roofing products. The reduced noise impact is the result of our textured, stone chip coated finish and the interlocking system, which minimizes the transmission of sound. After we developed this worryproof roofing system, which is strong, beautiful and yet silent, the only thing that's left for us is to wish you a sweet dream!



## **OUR TECHNOLOGY RESULTS IN DURABILITY** & SAFETY

The roofing we offer today is high quality, long-lasting, lightweight and technically advanced, capable of outstanding performance in extreme climatic conditions.

#### LIGHTWEIGHT

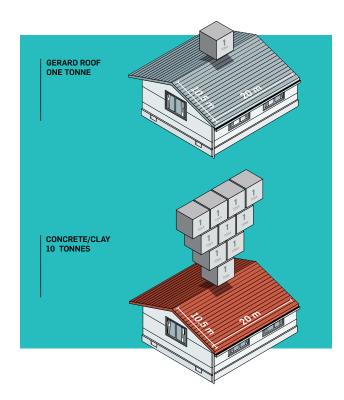
We continue to stress this fact because it's what makes GERARD Roofs so flexible, adaptable and safe. If the walls of your house are weakened by fire damage or earth movement, consider what a heavyweight tile roof, weighing up to 7 times more than a light steel tile roof, could do. There's a big difference between a one-tonne roof and a 10-tonne roof when they're balanced precariously over the heads of you and your family, and any rescue services in attendance.

#### HIGH WIND-RESISTANT FIXING

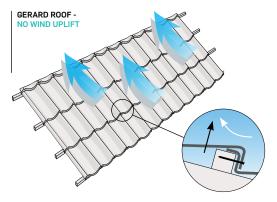
The real strength of our roofs in severe weather conditions is due to our superior horizontal fastening methods. All GERARD Roofs feature interlocking tiles, secured in place with our horizontal fastening system. This makes our roofs incredibly strong and gives them superior wind resistance.

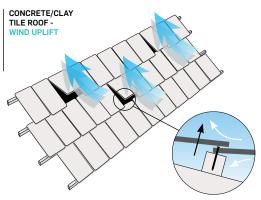
#### WIND UPLIFT

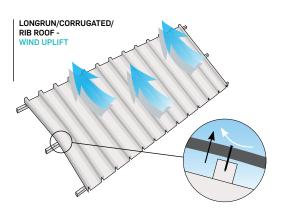
When roofs are lost due to high winds it is not accurate to say the roof is blown off... In reality it is a combination of the imbalance of high pressure created by the wind moving over the roof cavity. This creates uplift that can be compared to the same principle which creates high and low pressure on an aircraft wing giving the plane lift.











#### WIND RESISTANCE OF VARIOUS ROOF TYPES

Tornadoes and cyclones have demonstrated the significant benefits offered by GERARD roofs' horizontal fastening and interlocking steel membrane system. High winds blowing over a roof cause a difference in air pressure between the inside and outside of the roof.

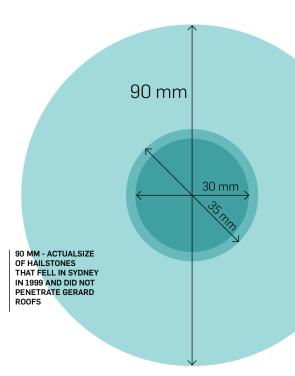
The stronger the wind, the higher the pressure differential and this results in "wind uplift" perpendicular to the roof.

This "wind uplift" is the primary cause of failure in roofs with vertical fastening, where the fastener simply pulls out. With the horizontal fastening method used for GERARD roofs, the fasteners must shear off for the roof to fail, an unlikely event given there are eight or more fasteners holding down each tile.

The permanent fitting technique used in GERARD roofing also means that tiles cannot be easily lifted to gain access through the roof space of a home or building.

#### HAIL RESISTANT

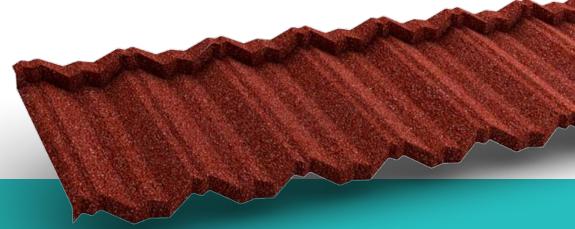
Driving rain, high humidity, and hailstones are relatively common weather conditions and a roof must be able to prove that it's a roof for all seasons. Our roofs have been endurance tested at extreme sites around the world. Tests have shown that hailstones up to 30mm in diameter will not even dent a GERARD roof. The same tests suggest hailstones at 35mm in diameter might dent the textured GERARD roof surfaces in extreme conditions, but hail-stones up to 90mm will still not penetrate the textured finish or perforate the steel membrane. Through rain or hail your GERARD roof will weatherproof your home and protect its contents.





## MATERIAL STRUCTURE OF A GERARD TILE

GERARD pressed steel tiles are created by chemically fusing layers of high-quality raw materials into individual lightweight pressed steel panels (or tiles) that come together to create remarkable strength, durability and visual appeal.



#### **LIGHT, STRONG AND CORROSION RESISTANT**

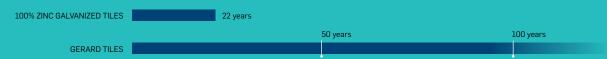
GERARD pressed steel roofing begins with the strength and resilience of top-quality steel, coated on both sides with a protective layer of aluminium and zinc. This resilient alloy combines the sacrificial protection of zinc, as used in galvanising, with the natural barrier protection of aluminium. In almost every environment, GERARD pressed steel roofing provides superior performance and a significantly longer service life than galvanised steel roofs.

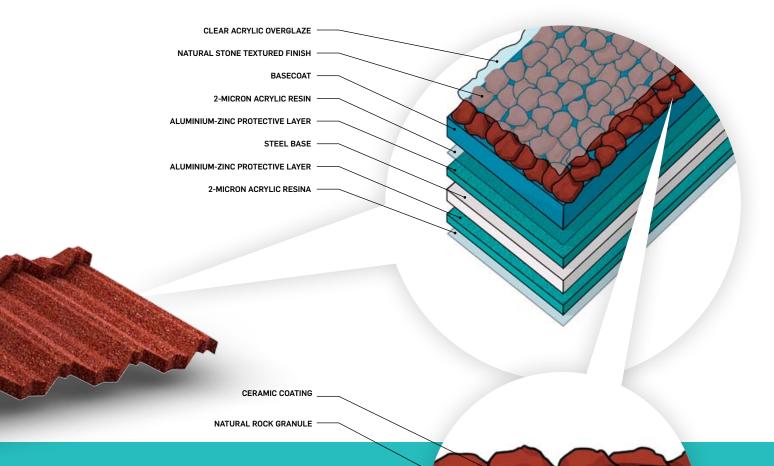
GERARD steel tiles are primed and pressed to shape before the final protection layers are applied. This avoids the problem of micro-cracking, which can occur in the bends of products pressed from pre-painted steel like longrun.

#### **OUR SECRET SAUCE: FORMULA FOR ALUMINIUM-ZINC PROTECTIVE LAYER**



#### **GERARD - THE LONGEST LIFETIME**





## DURABLE MULTI-LAYERED SURFACE COATINGS

Finishing top coats are baked on to ensure a consistently even coating. For our satin finish tiles, a 45-micron topcoat of ultra-tough polymer acrylic is applied. This is more than twice the thickness of the paint on typical pre-painted coloured steel products. Our textured tiles are finished with a polymer bonding basecoat, granulated natural stone or ceramic coated stone and a clear acrylic overglaze. The result is a powerful combination of up to nine protective layers.

#### YOUR ADVANTAGE -A 50-YEAR WARRANTY FOR YOUR GERARD ROOF

Aluminium-Zinc protection provides superior corrosion resistance making your GERARD roof lasting at least twice as long as a galvan steel roof. That is why we can boldly give a 50-year wheatherproof warranty for your GERARD roof.





# SYSTEM SOLUTIONS

Whatever you are dreaming or planning, a new roof, or refurbishing the roof of your dream home can be a daunting task. Those with special expertise become our best friends as we pore over concepts and plans. Achieving the look and the impact we want demands our attention to the smallest details.

#### **PROFILES**

The GERARD Roof range offers the choice of profiles - tile, shake, or shingle. The one you choose will depend on the style and location of your dream home.



#### **TRIMS**

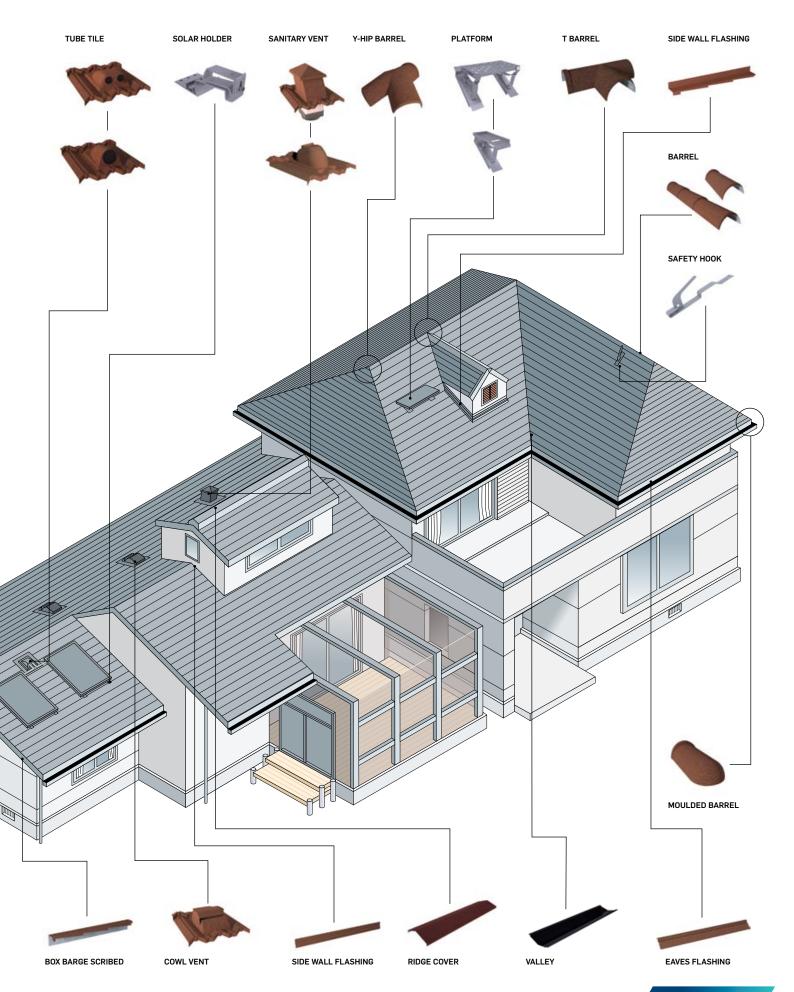
Beauty is in the detail. To ensure your GERARD roof looks impeccable, we make trims are fully compatible with our range of pressed steel tiles. Trims provide finishing to roof junctions, hips and gables.

Trim is an essential roofing element, for performance as well as appearance. You can choose a trim that matches the finish of your GERARD roof exactly or a contrasting colour to create a specific effect.

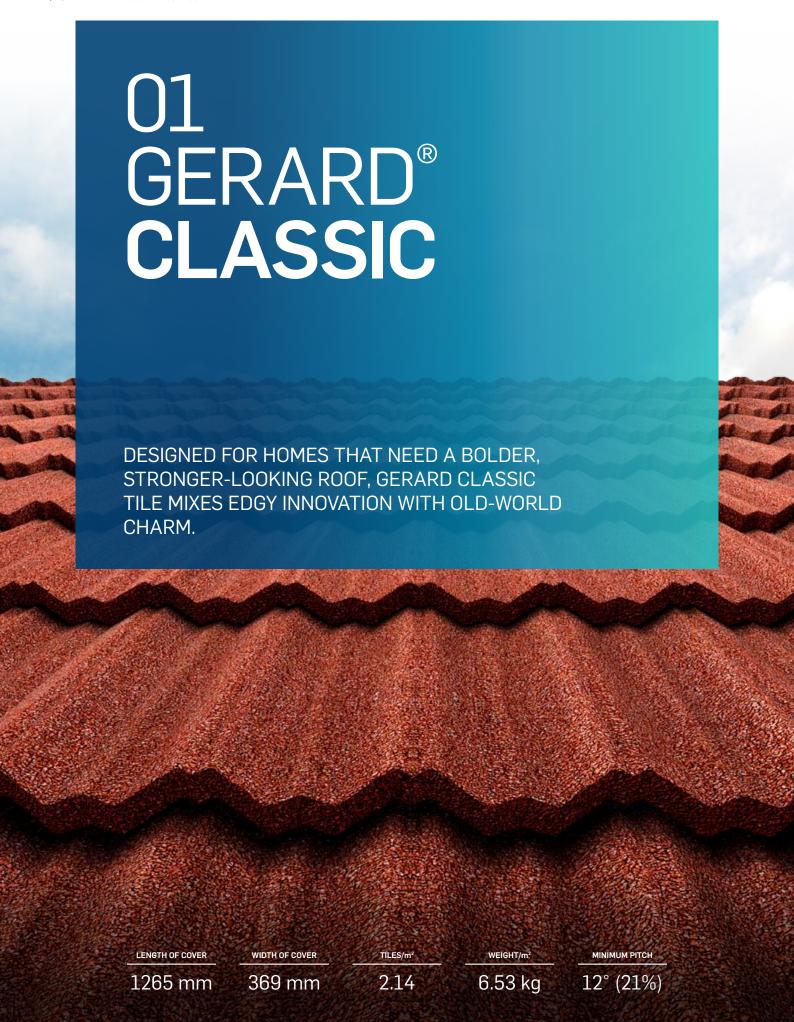


#### **ACCESSORIES**

Vents, solar holders, service platform and more – all 100% compatible with our roofing system. And you'll find a colour choice that supports the street appeal of your home. On the picture, we are showing some characteristic trims and accessories and their place on the roof. You will find full information about trims and accessories in our Accessories catalogue or you can ask our specialists.

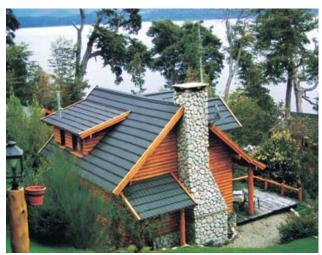












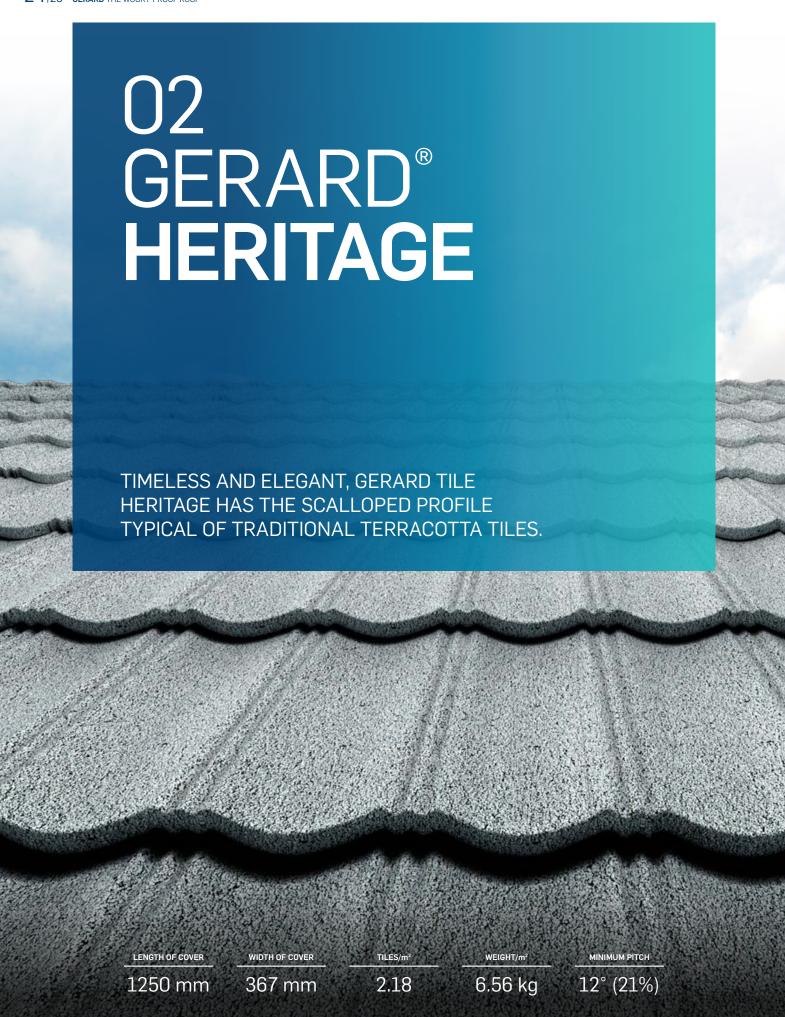


#### **GERARD CLASSIC**

look good, last longerand are safe and secure in any environment. GERARD CLASSIC tile can add to the style and security of any home or commercial building.

Each tile is pressed from high grade aluminium-zinc coating steel giving great strength, and the traditional profile is enhanced with the beauty of a natural stone chip coating.













#### **GERARD HERITAGE**

is suitable for new and re-roof projects in any European location and is available in a wide range of classic and contemporary roof colours with textured stone finish. Minimum pitch:  $12^\circ$ .



# 03 GERARD® SENATOR

A STYLE STATEMENT THAT WORKS WITH BOTH CONTEMPORARY AND TRADITIONAL ARCHITECTURE, GERARD SENATOR HAS A DISTINCTIVE VERTICAL-RIDGE TEXTURED FINISH THAT GIVES YOUR ROOF SOLIDITY AND CHARACTER.

LENGTH OF COVER

WIDTH OF COVER

1260 mm

369 mm

2.15

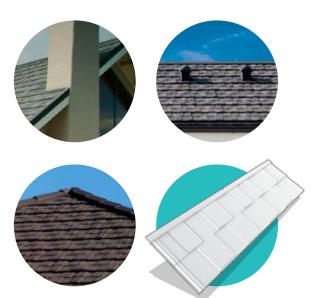
6.69 kg

15° (27%)









#### **GERARD SENATOR**

in a selection of natural colours, that reflect the heritage of shingle roofs. GERARD Senator is suitable for new and reroof projects in any location. Minimum pitch:  $15^\circ$ .



# 04 GERARD® CORONA

REFLECTING THE CHARM OF COLONIAL TIMES, GERARD TILE CORONA IS DESIGNED TO REPLICATE THE LOOK AND FEEL OF A HANDMADE REAL-WOOD SHAKE.

MINIMUM PITCH LENGTH OF COVER WIDTH OF COVER 15° (27%) 6.76 kg 1250 mm 371 mm 2.16





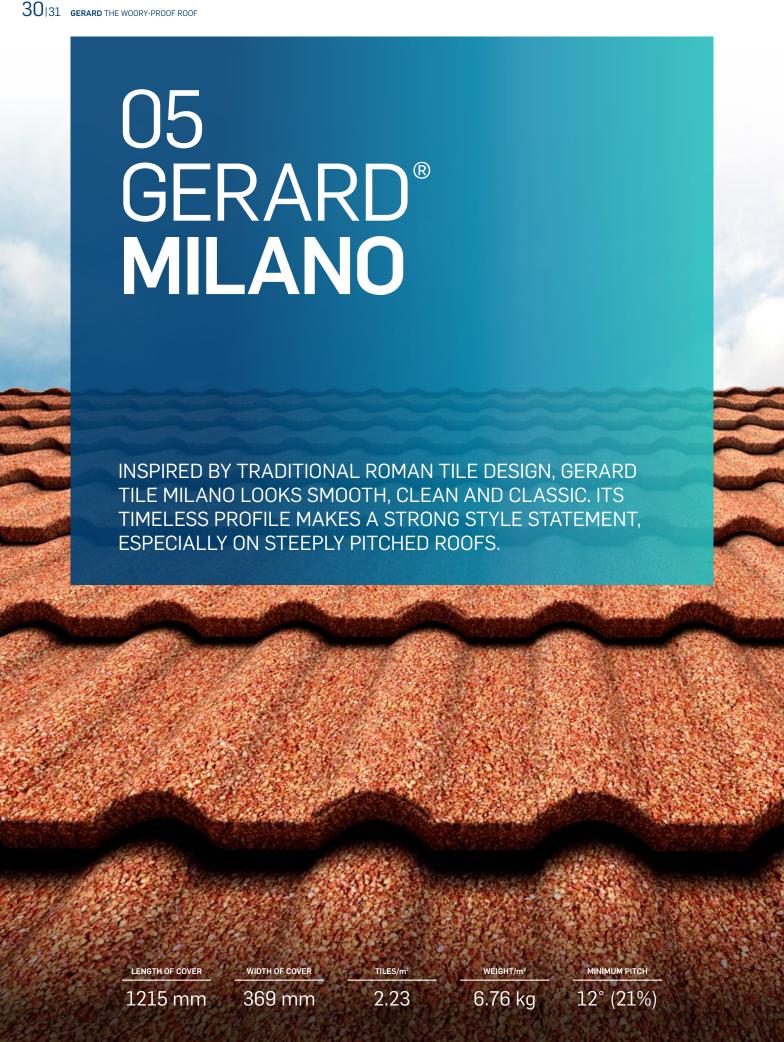




#### **GERARD CORONA**

is suitable for new and re-roof projects, residential or commercial. Corona corrosion resistant tile is available in a range of traditional and natural colours with a textured stone finish.













#### **GERARD MILANO**

is suitable for new and re-roof projects in any European location. It is available in a range of textured stone colours that reflect its Mediterranean heritage. Minimum pitch:  $12^\circ$ .



GERARD DIAMANT TILE - INSPIRED BY ONE
OF THE TOUGHEST AND MOST ENDURING
MATERIALS KNOWN TO MAN. SAVES 10% OF THE
ROOFING TIME AND 10% OF YOUR BUDGET.

LENGTH OF COVER

398 mm

1.98

<sub>wеіснт/m²</sub> 6.28 kg мінімим рітсн 14° (25%)









#### **GERARD DIAMANT**

is suitable for either reroofing or building a new house. GERARD DIAMANT offers you more value for your money! Not only will a GERARD DIAMANT roof endure, protecting you and future generations, its 10% additional coverage per tile will also save you money by reducing installation time and costs.



## YOUR CHOICE **OF COLOUR**

The exterior of your house can speak volumes in terms of the overall impression you want for your home. Often overlooked until the very end of a building project, the exterior colour scheme of your house can add definition, stature and depth. Once you start working through your colour options, you'll see that GERARD Roofs offers a superb range of colours to quietly enhance or emphatically dramatise your roof.



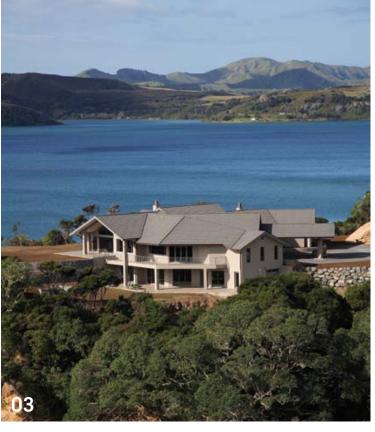




## **INSPIRATIONS**







NO.	PROFILE
01	GERARD CORONA
02	GERARD CORONA
03	GERARD OBERON
04	GERARD CORONA
05	GERARD CORONA
06	GERARD CORONA
07	GERARD KLASIK
08	GERARD CORONA
09	GERARD CORONA

COLOUR
CHARCOAL
FOREST GREEN
ECLIPSE
ASHWOOD
REDWOOD
CHARCOAL
SAPPHIRE
CHARCOAL
CHARCOAL













## **INSPIRATIONS**







NO.	PROFILE	COLOUR
01	GERARD CORONA	ASHWOOD
02	GERARD CORONA	CHARCOAL
03	GERARD CORONA	CHARCOAL
04	GERARD DIAMANT	CHARCOAL
05	GERARD CORONA	CHARCOAL
06	GERARD CORONA	ASHWOOD
07	GERARD CORONA	CHARCOAL
08	GERARD MILANO	BURGUNDY
09	GERARD OBERON	ECLIPSE
10	GERARD CORONA	SPANISH REI

















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