



www.decraafrica.com

the world's leading metal roof tiles



Decra[®]
ROOFING SYSTEMS

SPACE  STYLE
SPECIALIZED BUILDING MATERIALS

AHI ROOFING
A FLETCHER BUILDING COMPANY

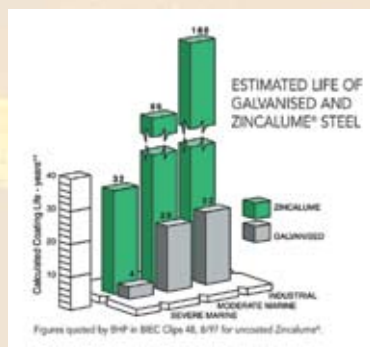
proven around the world

In 1954, the New Zealander Lou Fisher discovered that the bitumen coating used on metal roofs in the UK had extended their life considerably. Back in New Zealand, he produced his first coated metal roof tile and so the origins of *Decra Roofing* were born.

Over time, various new technologies and coatings have been employed and at *AHI Roofing*, we continue to improve our manufacture, so that products today still lead the way in design and innovation. *AHI Roofing* now supplies to over 80 countries around the world.



Lou Fisher



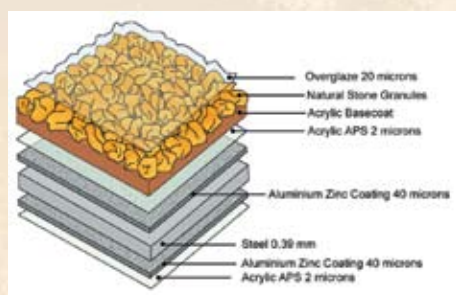
Manufactured only from Zincalume® (Alu-Zinc) Steel

Since 1995, ALL products manufactured by *AHI Roofing* have been produced from Zincalume® Steel.

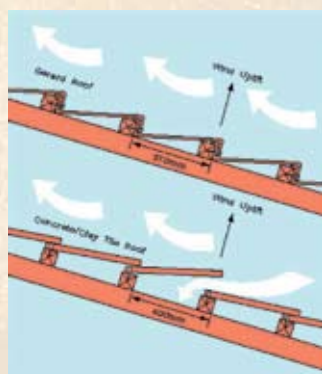
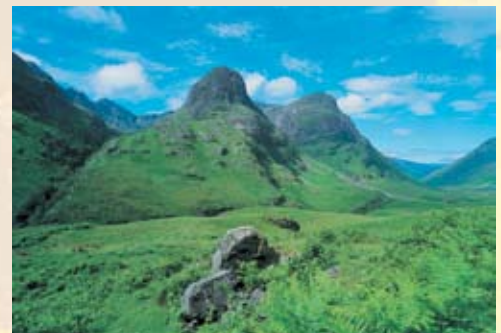
The combined sacrificial corrosion of Zinc with the barrier protection of Aluminum is shown in tests to extend the life of coated steel by **6-9 times** (against atmospheric corrosion) when compared to ordinary galvanised products.

Natural Rock

Decra Roofing Tiles are coated with Natural Rock chips, volcanically formed and taken from quarries in New Zealand. These coatings add natural beauty to the roof. The rock chips are embedded in a deep basecoat and covered in an acrylic overglaze. The tiles are finally oven baked to ensure a lasting durability.



Decra Roofing Tiles are also unique because during installation, tiles are cut and bent at ridges and hips, to produce a 90 degree overlap with accessories and flashings. This eliminates the requirement for any other form of waterproofing.



Unique Installation

Unlike conventional roof tiles, *Decra Roofing Tiles* are overlapped and secured **horizontally** through the face. This fixing method ensures that compared with conventional tiles there is no wind uplift or rain penetration even in hurricane conditions with wind speeds up to 200km/hr.*.

It also makes the roof virtually burglar proof, since the tiles cannot easily be lifted for access through the roof.



new technology, classic charm



AHI Roofing have employed new technology and coating systems as they have become available over time. This means that the products produced today lead the way not only in design, but also in quality, performance and durability.

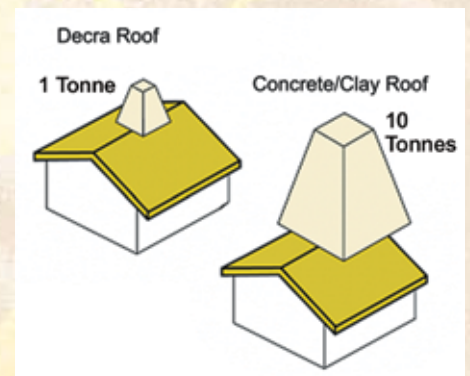


Subtle Tones

Decra Roofing Tiles are coated in Natural Stone chips. These natural stone coatings are available in a range of 3 colours, with another 7 kiln coloured coatings also available. Combining colour and profile creates a choice of over 25 different combinations to meet almost every architectural design.

Cost Effective

Decra Roofing Tiles are not only strong and resilient; they are also light weight (7kg/m^2). This lends itself to considerable savings in the roof structure (rafter/trusses/battens), foundations and in transport and breakage. Additionally, installation is much faster than that of conventional tiles.



Heritage Tile profile



Traditional

The traditional design of the *Decra Heritage Tile* is popular for both residential and commercial buildings. It remains the highest selling profile of metal roof tile around the world.

Colour

The *Decra Tile* is available in a choice of 10 different colours of Natural Stone Chip. This ensures that it is complementary to most building designs and so provides the discerning architect or client with a wide choice to enhance the structures' designs.



Greenstone



Sienna



Garnet



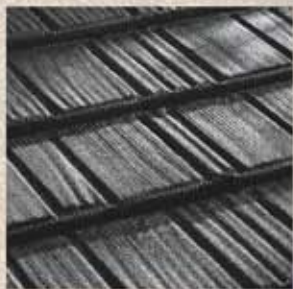
Charcoal



Terracotta



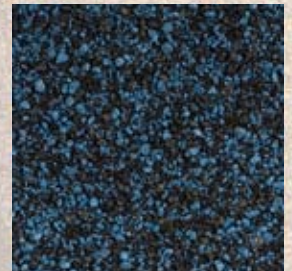
Shake profile



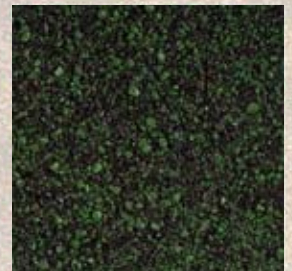
Shake profile

Natural Effect

The natural effect of the *Decra Shake* design has made it the first choice for many residential and commercial properties, particularly hotels and lodges, where the profile adds aesthetically to the overall architectural design.



Sapphire



Sage



Teak

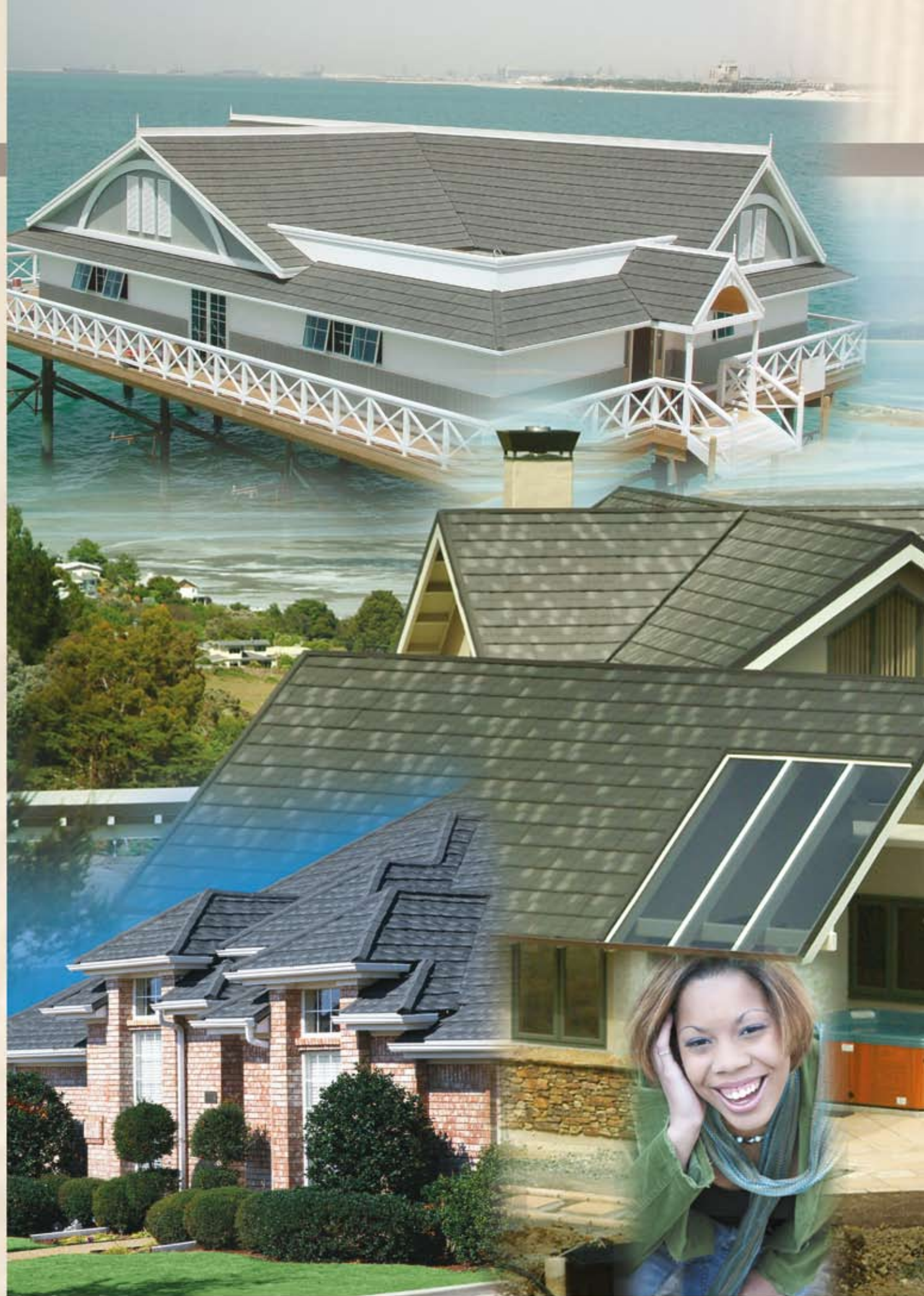


Cedar



Pepper

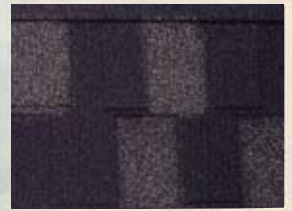




Shingle profile

New Technology, Classic Charm

The profile of the *Decra Shingle* product is achieved in manufacture through a process of complicated corrugations. This is coupled with a selection of two contrasting colours of natural stone coatings, which combine to create a very classic appearance that reflects light differently according to the angle and direction of the sun. The result is subtle changes in the roofs shade and tone at different times of the day.



Eclipse



Bark



Portland



Ravine



Sunset



Milano profile



Mediterranean Design

Traditional in areas of Southern France, Italy and Spain is the arched profile roof tile design. The new *Decra Milano Tile* profile has been designed to replicate this look and can be produced in any colour from our range, including the two shade 'Antico' colour.



performance & testing

All *Decra Roofing Tiles* are tested to meet the highest standards and codes for building materials worldwide.



Fire

Decra Roofing Tiles are Fire Tested up to 760°C and during testing showed no flames, sparks, or smoke, on the underside of the tile test deck.* This feature gives the product particular benefit in areas prone to natural fire and in commercial structures such as schools, or hotels, where fire is an ever present concern.

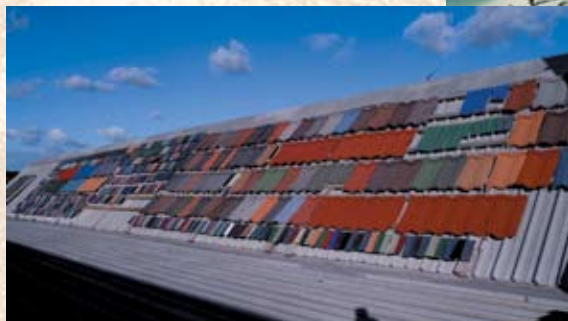
Corrosion

Even in the most severe corrosive coastal environments, *Decra Roofing Tiles* are supplied with a **50 year written manufacturer's warranty** for weather security.



Testing

All *Decra Roofing Tiles* are tested continually, to ensure that the highest manufacturing standards are met. Products are exposed to advanced weathering laboratory testing as well as exposure on natural test sites at a variety of locations.



Commercial

Since *Decra Roofing Tiles* are both light weight and cost effective, they are used in many commercial projects. These include Hotels, Shopping Centres, Office Buildings, Schools and many more.

Decra Roofing Tiles can also be installed on to a steel frame (special fasteners are supplied). So particularly where large open areas are being covered, *Decra Roofing Tiles* provide the ideal solution.





technical information

NEW ZEALAND

MAJOR COMPONENTS



DECRA HERITAGE TILE

Overall length	1320 mm
Length of cover	1260 mm
Width of cover	370 mm
Roof cover/tile	0.46 m ² /tile
Coverage	2.2 tiles/m ²
Unit mass chipped	2.9 kg
Unit mass painted	2.0 kg



DECRA SHAKE

Overall length	1310 mm
Length of cover	1250 mm
Width of cover	370 mm
Roof cover/tile	0.46 m ² /tile
Coverage	2.2 tiles/m ²
Unit mass chipped	3.0 kg
Unit mass painted	2.1 kg



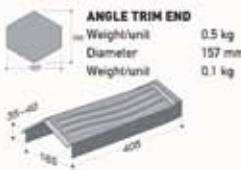
DECRA SHINGLE

Overall length	1320 mm
Length of cover	1260 mm
Width of cover	370 mm
Roof cover/tile	0.46 m ² /tile
Coverage	2.2 tiles/m ²
Unit mass chipped	3.0 kg



BARREL 150

Overall length	405 mm
Length of cover	370 mm
Unit mass chipped	0.5 kg



ANGLE TRIM END

Weight/unit	0.5 kg
Diameter	157 mm
Weight/unit	0.1 kg

ANGLE TRIM

Overall length	405 mm
Length of cover	370 mm
Unit mass chipped	0.5 kg



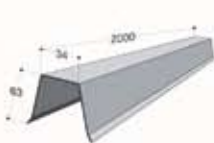
DECRA MILANO TILE

Overall length	1310mm
Length of cover	1250mm
Width of cover	370mm
Upland	27mm
Roof cover/shake	0.45m ²
Coverage	2.2 shakes/m ²
Weight/unit	3.0kg
Weight/m ²	6.6kg



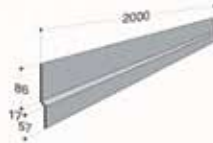
BOX BARGE

Overall length	2000 mm
Length of cover	1900 mm
Unit mass chipped	2.5 kg



RIDGE HIP

Overall length	2000 mm
Length of cover	1900 mm
Unit mass chipped	2.0 kg



SIDE FLASHING

Overall length	2000 mm
Length of cover	1900 mm
Unit mass chipped	1.4 kg



COMBINATION VALLEY

Overall length	2400 mm
Length of cover	2300 mm
Unit mass painted	2.5 kg



FLAT SHEET

Overall length	2000 mm
Length of cover	1900 mm
Unit mass chipped	3.9kg / 4.3kg (this covers both 400 and 490 sized sheets)



A-RIDGE

Overall length	2000 mm
Length of cover	1900 mm
Unit mass chipped	2.5 kg

Decra Roofing Systems have been fully appraised and have received test reports from the following:

Weathering Resistance

- Accelerated Weathering test to American Society for Testing and Materials standard (ASTM) G26-70.

Weather Security

- High speed dynamic Rain Penetration and High Wind Loading Tests – by Construction Research Laboratory Inc, Florida, USA.
- Low speed Dynamic Rain Penetration Test – by the Experimental Building Station, Australia.

Hurricane/Cyclone Wind Resistance

- Hurricane test by Construction Research Laboratory Inc, Miami, Florida, USA.
- Cyclone Loading Test to the wind loading code, Australian standard 1170, Part 2 1975 – by Cyclone Testing Station, Australia.

Corrosion Resistance

- Salt/fog Test to ASTM B117
- 100% Relative Humidity Test to ASTM D2247

Concentrated Loading

- Concentrated Force on Roofing Tiles to Australian Standard 1582, Rule 5.2 by Cyclone Testing Station, Australia.

Fire Resistance

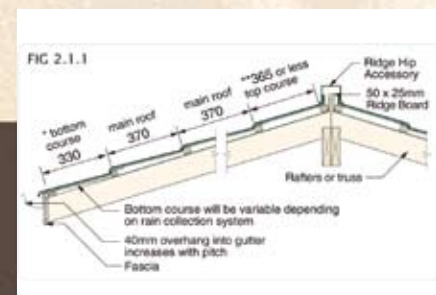
- Class A & B under UL 790 (ASTM E-108) when applied in accordance with instructions.

Resistance to the Impact of Hail Stones

- Hailstone test by Commonwealth Scientific and Industrial Research Organisation, Division of Building, Construction and Engineering Australia.

International Quality Certifications include:

BBA
CE Mark
Avis Technique
CCTB
SABS
SONCAP



Barrel Trim



Angle Trim



Standard Trim

AHI Roofing

90-104 Felton Mathew Ave, Glen Innes, P.O. Box 18071
Glen Innes, Auckland, New Zealand
www.decraafrica.com

Kenya Sales Office – Space and Style Ltd

Ground Floor, Brunei House, Witu Rd (off Lusaka Rd),
Industrial Area, Nairobi, P.O. Box 49868 00100, Nairobi, Kenya
T: +254 (20) 555541, 2086700, 3598271
M: +254 (722) 706837, (733) 706837
E: info@spaceandstyle.co.ke