

METAL ROOFING MATERIAL HISTORY IN AUSTRALIA

In the early settlement periods in Australia plain metal sheeting was used in roofing. These included iron, copper, lead or zinc. Around the 1850's galvanising (hot dipping in molten zinc) was introduced to allow wrought iron and mild steel to be protected against corrosion. This material was substantially cheaper than other metal materials commonly used for roofing at the time and led to the material becoming popular at the time.

Until very late in the 19th century all corrugated galvanised iron was made from wrought iron, but from about 1890 to 1910 improved methods of steel making and processing led to the complete replacement of wrought iron by mild steel.

Galvanised mild steel (short sheets) continued to be used until around 1960 when technology allowed for a change in the process. This change allowed for continuous production of steel and led to greater consistency in zinc coating on the steel substrate.

We provide heritage galvanised Z600 along with NextSTAR™ colours – within the NextSTAR™ range you'll find complementary colours to achieve the restoration look you are after. In addition, NextSTAR™ pre painted steel offers you better paint performance and provides a warranty that reflects its 10 year longer lasting paint performance.



Revolution HERITAGE

1829

Over 12 different corrugated profiles in various shapes and sizes available from over 30 brands. John Lysaght & Co commence in 1862.

Wrought iron is first used in roofing with corrugations stamped in the sheets and the corrugated profile is patented.

1850

1890

Shallow v-shaped corrugated fencing iron migrates to the roof.

1959

Colorbond® solid paint with a galvanised base is first introduced to the market.

1976

True Oak is released. This is the first time the original profile is made in Australia in high tensile steel.

2014

Bluescope and Revolution Roofing release MATT FINISH Colorbond®.

2019

Revolution Roofing partners with Nexteel™ to provide new paint finish systems and colours for the Australian built environment.



**Revolution
Roofing**
STEEL YOURSELF

revolutionroofing.com.au



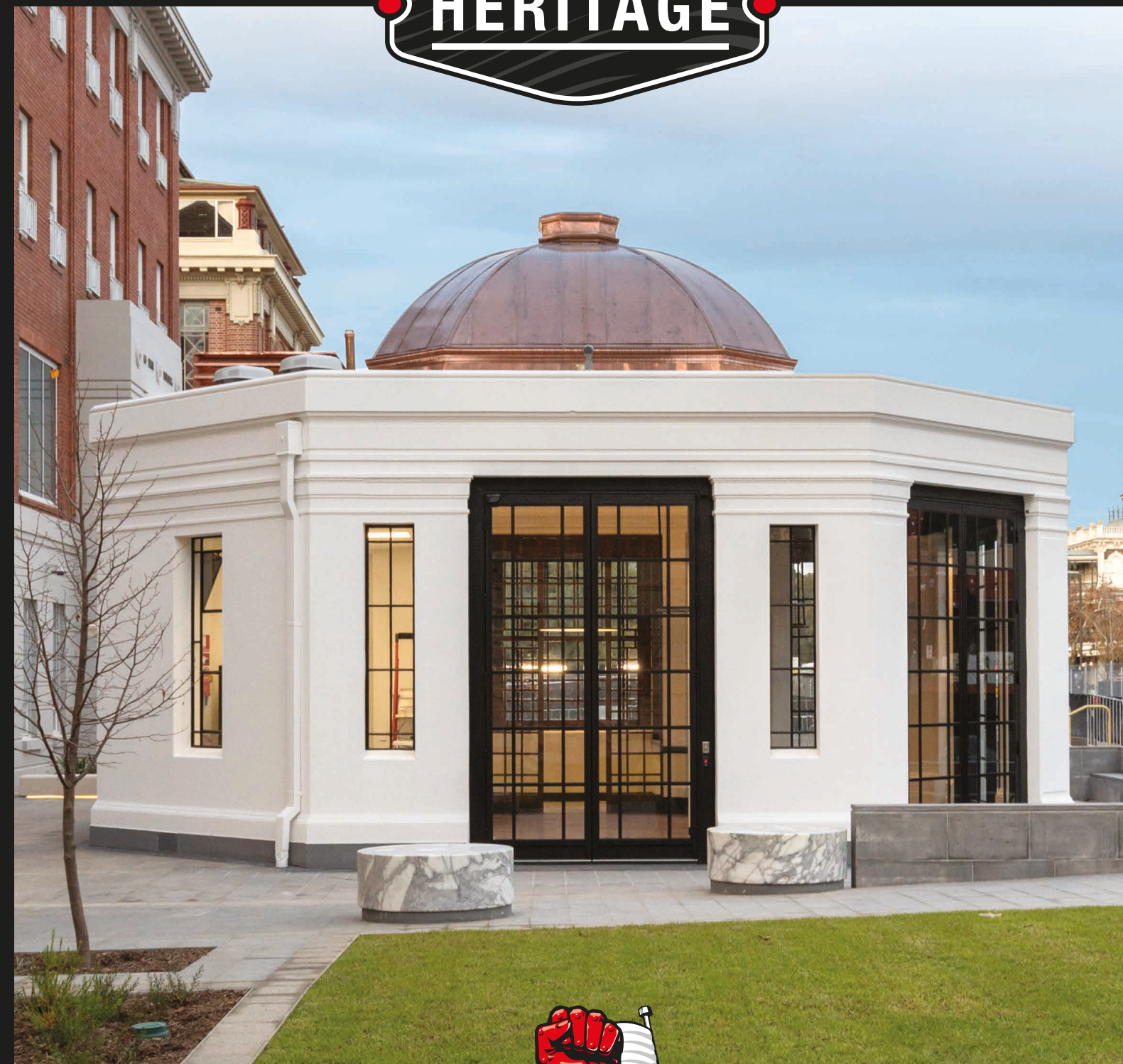
South Australia
5-17 Taminga Street,
Regency Park SA 5010
Phone: (08) 8352 0911

Western Australia
55B Hector Street,
Osborne Park WA 6017
Phone: (08) 9217 9011

REV/2815 DEC 2020

B E H E R I T A G E S M A R T

Revolution HERITAGE



**Revolution
Roofing**
STEEL YOURSELF

CORRUGATED IRON HISTORY IN AUSTRALIA

Corrugated roofing and walling in Australia has had a long and winding journey. Corrugated sheeting varied extensively in the early settlement days through to the WWII period. During this time there was no set standard for corrugated iron sizes and thickness. Many versions of corrugated sheets exported to Australia came from the town of Gospel Oak in Britain. These imported sheets had deeper and rounder corrugations and they gave the roofing a more striking pattern that changed its stripes as the sun moved overhead.

Post WWII this deeper corrugated iron style was lost to Australia because of resource rationing, combined with low cost imported shallow corrugated iron. Shallow corrugated was initially designed for fencing but was also being used for roofing. These shallow corrugated sheets eventually became the standard for corrugated roofing and walling until 2011 when Revolution Roofing introduced True Oak Superior Corrugated to the market.

True Oak Superior Corrugated is the reincarnation of Gospel Oak. It is authentic to the era and simply looks better on buildings built before 1945. This level of detail is easily overlooked in the replacement and restoration of a corrugated roof. By ensuring you use True Oak Superior Corrugated will ensure that you reinstate the heirloom style for the roofing and walling and bring a building back to its former glory.

Not only has True Oak got the style of the original corrugated profiles it also has few modern benefits when compared to shallow corrugated profiles.

True Oak Superior Corrugated is unique and only available from Revolution Roofing.



True Oak features include:

- Larger water carrying capacity
- Greater strength than standard corrugated
- Can go down to minimum roof pitch of 2 degrees.



TRADITIONAL ROOFING PROFILES

TRUE OAK 'MID' 10MM

Features & Benefits:

- 38.1mm x 10mm corrugation
- 50% wider and 100% stronger than 25mm 6mm miniature corrugated
- Suitable for wall cladding, ceilings, verandas, and canopy applications
- Improved lapping results in no sagging or gaping
- Perforated 11% open area available in RevZinc or NextSTAR™

Materials:

| Heritage Galvanised Z600 | NextSTAR™ | Copper |
|--------------------------|-----------|--------|
| 0.42 | 0.42 | 0.7 |
| 0.6 | 0.6 | |

TRUE OAK 'DEEP' 21MM

Features & Benefits:

- A traditional 3" profile modelled after 1850's Gospel Oak
- 76mm x 21mm corrugation
- Minimum Roof Pitch of 3 degrees
- 40% wider and 40% stronger than standard shallow 16mm corrugated
- Also available in traditional 8 flute cover (Tank Iron)

Materials:

| Heritage Galvanised Z600 | NextSTAR™ | Copper |
|--------------------------|-----------|--------|
| 0.42 | 0.42 | 0.7 |
| 0.68 | 0.48 | |
| 0.6 | 0.6 | |

TRUE OAK 'SUPER 5' 35MM

Features & Benefits:

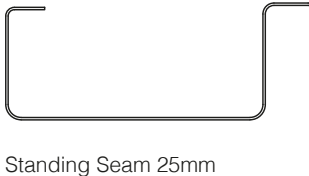
- A traditional 5" profile, modelled after 1850's Scotch Iron
- 121mm x 35mm corrugation
- Minimum Roof Pitch of 2 degrees
- A contemporary cousin to the original 'deep' 6 (152mm x 40mm) asbestos profile
- Highly sought-after large area and bolder corrugations

Materials:

| Heritage Galvanised Z600 | NextSTAR™ | Copper |
|--------------------------|-----------|--------|
| 0.48 | 0.48 | 0.7 |
| 0.6 | 0.6 | |



TRADITIONAL FLAT PAN PROFILES



Standing Seam 25mm



Standing Seam 38mm

EUROPLUS STANDING SEAM

Roof sheeting details:

Installed on 19mm plywood substrate, ensuring joint of the plywood is flush and there is a separation barrier placed between the Standing Seam profile and plywood to avoid condensation issues. The Standing Seam is to have a double locked seam when used as a roofing profile however the profile can be single locked when the pitch of the roof is greater than 15 degrees.

Wall cladding details

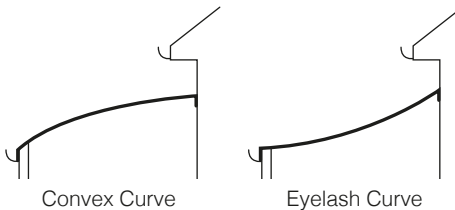
Installed on 12mm plywood substrate, ensuring the joints of the plywood is flush and there is a separation barrier placed between the Standing Seam profile and plywood to avoid condensation issues. Standing Seam only needs to be single locked for a wall cladding application.

Materials:

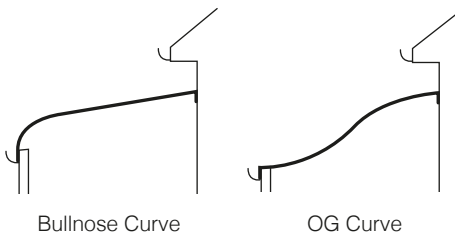
- Copper 0.55 BMT or 0.7 BMT



CURVING



Convex Curve Eyelash Curve



Bullnose Curve OG Curve

Traditional building designs from the settlement days through to the WWII period quite often involved the curving of roofing material to break up the angular shapes of buildings.

Designers introduced elements such as verandahs, barrel vaulted roofs, turrets, domes and towers as design elements that provided unique bespoke statements and individuality to their buildings. Roofing artisans discovered that they had the ability to spring or mechanically curve soft metals such as corrugated iron into smooth continuous shapes. Today we still see 'eyelash' and 'bullnose' verandahs as the traditional building character that has shaped our nation.

Revolution Roofing's True Oak Superior Corrugated profiles can be mechanically curved in our specifically designed precision curving machines. Our curving machines

ensure the traditional sinusoidal shape of our True Oak profile is maintained throughout the curving. The craftsmen at Revolution Roofing will ensure a quality finish for accurate and seamless fitting while ensuring that your character building elements are being maintained and reinstated as envisaged by the original artisans.

True Oak Mid 10mm – Concave, Convex, Full Circle

True Oak Deep 21mm – Bull nose, Concave, Convex, Full Circle, S Curve, Tank Iron

True Oak Super 5" – Concave, Convex



DOWNPIPE PROFILES

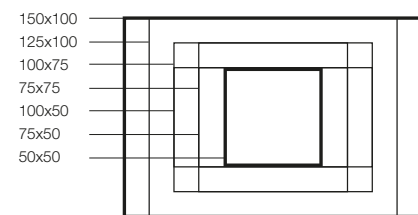
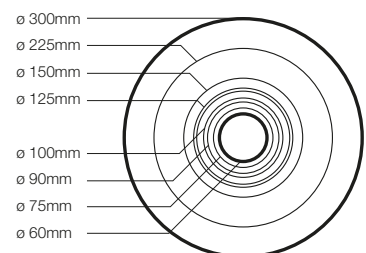
ROUND AND SQUARE

Features & Benefits:

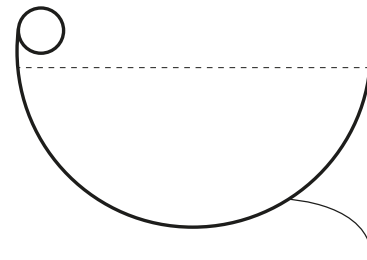
- Continuous length up to 3.0m
- Expanded ends or Crimped Ends available upon request (circular only)

Materials:

- Heritage Galvanised 0.55 BMT
- NextSTAR™ 0.55 BMT & 0.8 BMT
- Copper 0.55 BMT
- Stainless steel 0.55 BMT



TRADITIONAL GUTTER PROFILES



REVBIG HALF ROUND

Features & Benefits:

Traditional and simple smooth shaped gutter perfect for commercial buildings with low maintenance. Available in a range of sizes and finishes with an Australian gutter bead or a traditional European Gutter bead.

Materials:

- Heritage Galvanised 0.55 BMT
- NextSTAR™ 0.55 BMT
- Copper 0.55 BMT

Bead Styles:

Aussie Bead
European bead

Diameters (mm):

100mm, 150mm, 200mm, 250mm, 300mm, 350mm, 400mm

OG

Features & Benefits:

For those who want to reinstate the traditional style of their character building. Other sizes may be available - just ask us.

Materials:

- Heritage Galvanised Z600 0.55 BMT
- NextSTAR™ 0.55 BMT
- NextSTAR™

Diameters (mm):

125 OG: A=62 B=126 C=91 D=77

Capacity:

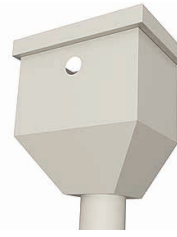
125 OG: 6310mm²



RAIN HEADS



Colonial



Tapered Bottom

CUSTOM RAINHEADS

Features & Benefits:

Rainheads are a decorative finish to any building, while minimising the risk of water flow inside a building. A large range of custom rainheads to suit any building or project. Each handcrafted to suit the unique requirements of the project and available in a range of finishes and sizes.

Materials:

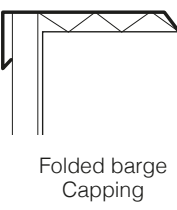
- Heritage Galvanised Z600 0.55 BMT
- NextSTAR™ 0.55 BMT
- Copper 0.55 BMT, 0.7 BMT
- Stainless steel 0.55 BMT



FLASHINGS



Rolled Barge Capping



Folded barge Capping



Rolled Top Ridge Capping

CUSTOM FLASHINGS

Features & Benefits:

Custom made to specified dimensions will ensure each buildings detail is matched and maintained. Folded and manufactured on the newest machines available in the market which means accuracy and consistency in folds.

Materials:

- Heritage Galvanised Z600 0.55 BMT
- NextSTAR™ 0.55 BMT, 0.8 BMT
- Copper 0.55 BMT, 0.7 BMT
- Stainless steel 0.55 BMT

Features & Benefits:

These provide a secure and appealing solution to the challenge of increasing building ventilation. Standard vents and custom vents are available – just ask us.

Materials:

- Heritage Galvanised Z600 0.55 BMT



TRADITIONAL ROOF VENTS



**SHERIDAN KIOSK,
LOT FOURTEEN, ADELAIDE**
Profiles: EuroPlus Flat Lock Panel
True Oak Deep 21mm

Finishes: Copper 0.7mm
Installer: James Henry Roofing
Builder: Hansen Yuncken
Architect: David Brown, BB Architects



Prince Alfred Vent



Custom-made Vent

Features & Benefits:

These provide a secure and appealing solution to the challenge of increasing building ventilation. Standard vents and custom vents are available – just ask us.

Materials:

- Heritage Galvanised Z600 0.55 BMT
- NextSTAR™ 0.55 BMT, 0.8 BMT
- Copper 0.55 BMT, 0.7 BMT
- Stainless steel 0.55 BMT