



COPPER

From centuries-old cathedrals to edgy modern applications, copper has proven its longevity and versatility time and again. For more detail visit our website www.zctechnical.com.au/materials/copper

COPPER FEATURES

- Lifespan of 70–100 years, depending on exact location.
- As a result of surface oxidation caused by weathering, copper forms a protective barrier (patina) that resists further corrosion and extends its life.
- This results in ongoing colour changes depending on the environment – from blue-green to nut-brown.

COPPER BENEFITS

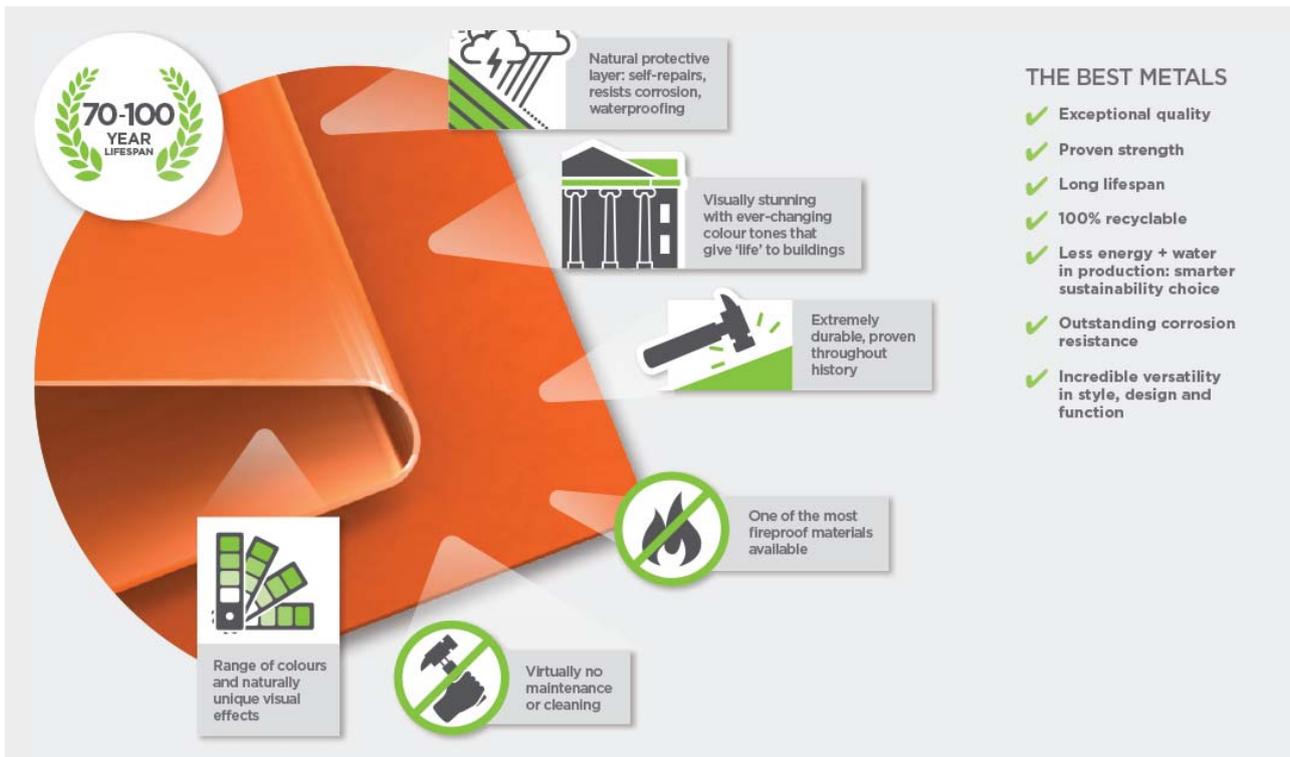
- 100% recyclable, natural material.
- Very high fire rating and non-combustible.
- Uses less water and energy in production than most other building materials, helping towards green star ratings and ideal for sustainable developments.
- Extremely durable, resistant to corrosion and therefore less likely to be affected by rainfall, hail and mildew than many other materials.
- Virtually no maintenance or cleaning.
- Visually stunning and changes over time, bringing new looks and 'life' to buildings as they age.

CLADDING AND ROOFING SYSTEM IN COOPER

ZC Technical is a proud supplier and designer of specialised cladding and roofing systems. We manufacture and install copper in a variety of custom made panels systems. For more detail visit our website <http://www.zctechnical.com.au/producttypes/cladding/>



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OPTIONS

- **Natural Copper (mill finish)**: After installation, copper retains its typical bright red copper colouring for a period of time. Changes are very gradual and not entirely predictable. First, the surface turns matt. Gradually, the material develops an oxide layer to protect it against the effects of weathering. This process brings with it striking colour variations through an entire range of brown tones. Ultimately, on the sloping surfaces, the colour process yields a robust green patina.
- **Nordic Brown and Nordic Brown Light (pre-oxidised)**: Nordic Brown products are pre-oxidised at the factory to give the same oxidised brown surface that otherwise develops over time in the environment. The thickness of the oxide layer determines the colour.
- **Nordic Blue Living (pre-patinated)**: Nordic Blue products offer designers unparalleled design freedom. In a carefully controlled, factory process, pre-oxidised copper is treated with specifically formulated copper compounds to create the desired patina colours and heat-treated to chemically bind to the copper.
- **Nordic Royal (copper alloy)**: Nordic Royal is an alloy of copper with aluminium and zinc, giving it a rich golden though-colour and making it very stable. It behaves differently to other Aurubis copper products over time and does not develop a blue or green patina.

COPPER COLOURS



Natural Copper



Nordic Blue Living Copper



Nordic Brown Light Copper



Nordic Royal Copper

More colour options are available on longer lead times. Contact us for more information.