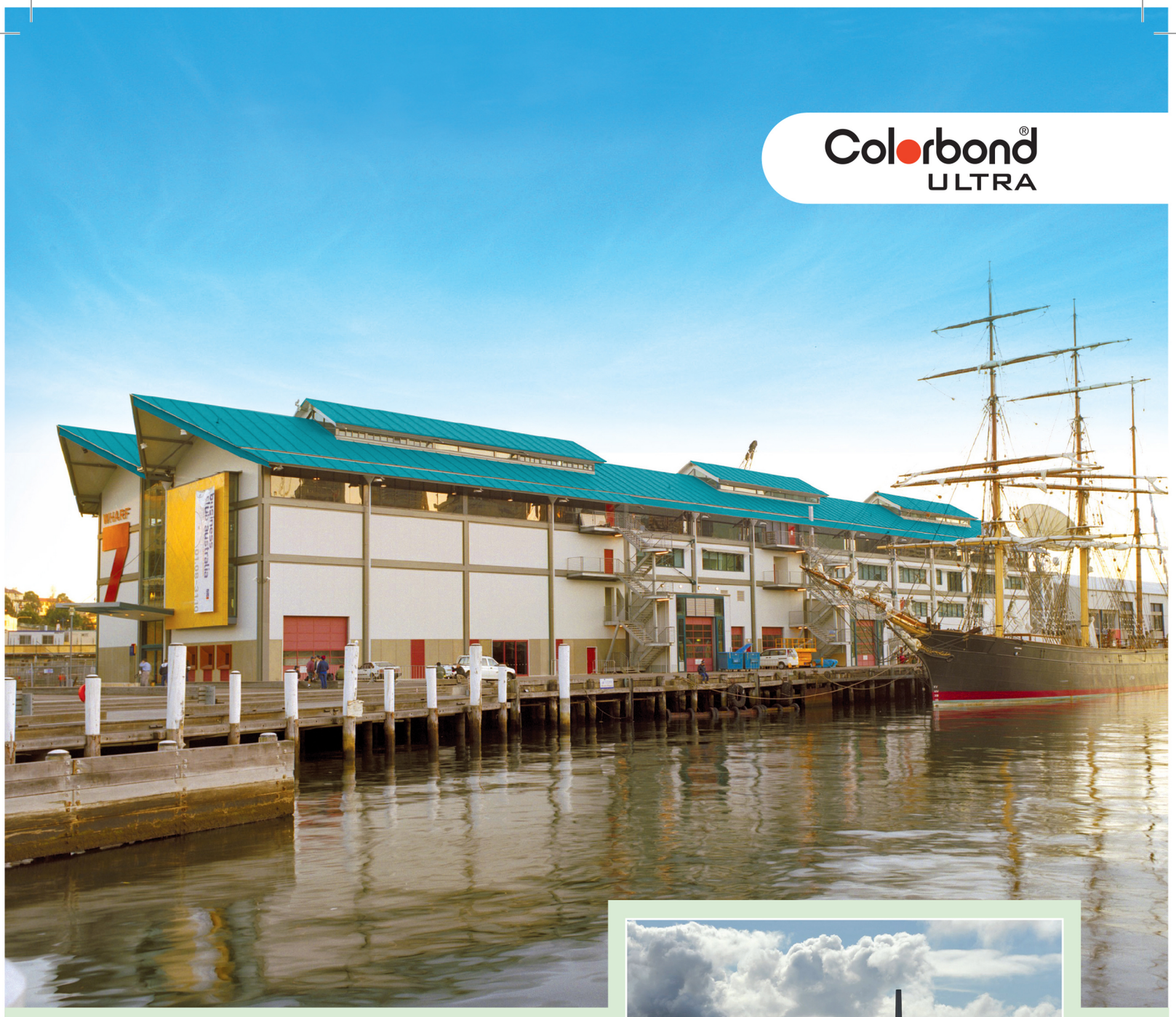
Colorbond® ULTRA



Exceptional corrosion resistance

for severe environments

BLUESCOPE LYSAGHT

COLORBOND® Ultra steel

Specifically Discovered For Severe Environments

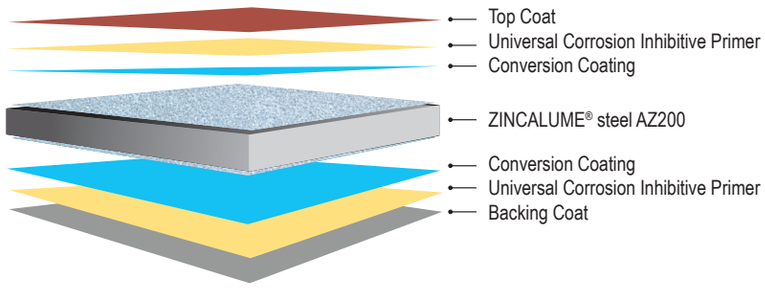
If you want an attractive and long lasting roofing material that offers you an excellent protection against severe environments, COLORBOND® Ultra steel is far the best choice.

While standard COLORBOND® XRW steel will suit most of the application and locations, Tata BlueScope Steel also make special suited to more demanding environments, like those by the sea or in areas prone to industrial or chemical fumes and fallout.

COLORBOND® Ultra steel offer an attractive, long lasting roofing material that comes with an excellent protection against severe environments. Severe coastal where there is a smell of salt or salt in the air, close to breaking surf & severe industrial, the effect of industrial emissions - fumes and/or particulate fallout are close by.

COLORBOND® Ultra steel gives you total peace of mind as it combines long term durability and exceptional corrosion resistance. It has a thicker metallic coating, total a minimum of 200 g/m^2 of the 55% Al-Zn alloy coating for even greater corrosion resistance, especially formulated corrosion resistance primer and Super durable polyester paint system provide superior corrosion resistance & colour performance.

COLORBOND® Ultra steel has superior corrosion resistance and paint performance properties making it one of the most cost effective building materials for harsh environments.



Cross Section View of COLORBOND® Ultra steel

Typical Uses

Exterior Building Profiles in applications requiring excellent corrosion resistances and long term durability. Suited for moderate to severe marine and industrial environment.

Pretreatment

Corrosion resistant proprietary conversion coating

Primer Coat

Universal corrosion inhibitive primer. Nominal dry film thickness 5µm each side

Finish Coat

Custom formulated Super Durable Polyester paint system with high performance inorganic pigments, nominal dry film thickness 20µm on the top or weather side.

Backing Coat

Custom formulated Bass Grey. Nominal dry film thickness 10µm.

Specular Gloss (60^0)

Nominal 25 units (AS/NZS 1580.602.2)

Material Specification:

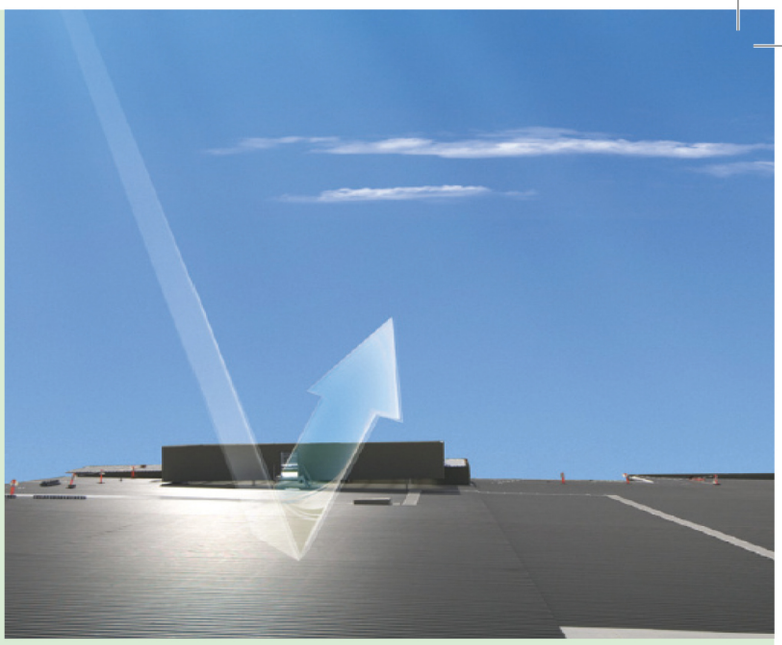
COLORBOND® Ultra steel with base metal thickness of 0.30 mm to 1.30 mm, metallic coating AZ200 (minimum 200g/m² coating mass), Grade G550 (minimum yield strength 550MPa) or G300 (minimum yield strength 300 MPa), with especially developed corrosion inhibitive primer for the exterior top coat of Super Durable Polyester paint system. The total paint coating thickness is 40 µm, on exterior side - 20 µm Super Durable Polyester paint over 5 µm primer and on reverse side -10 µm polyester paint on over 5 µm primer. The exposed paint system are having stable inorganic pigments for better color performance – chalking, fading and gloss property conforming to AS/NZS 2728 type-4 / IS15965 class 3. Fasteners on COLORBOND® Ultra steel to comply with Australian Standard AS 3566 Class 4 or equivalent. Flashing or ridge capping should be manufactured from the same material as used for the roofing. The coated steel has marking (product details, date, mfg. name, etc.) on back side at regular interval confirming genuinity of the material.

Scheltema Blue Route Mall, Cape Town, South Africa

THERMATECH™ Technology :

THERMATECH™ solar reflectance technology is incorporated in to COLORBOND® Ultra steel to lower roof surface temperature by adsorbing less heat from sun. In the other words, COLORBOND® Ultra steel is able to reflect more of the solar of a roof. Solar reflectance index (SRI) is a numerical value used to represent a constructed surface's ability to reflect the solar heat. Higher SRI values indicate a roof whose surface temperature is lower.

- **More comfortable to live in :** Combining COLORBOND® Ultra steel with THERMATECH™ technology and insulation will help your building remain comfortable all year round. In an summer your roof is first line of defence of your building against the hot summer sun that is high in the sky. THERMATECH™ technology helps your roof and your building stay cooler by reflecting more of the sun. In the winter your north facing walls are the best part of your building to capture heat from the sun that is lower in the sky and insulation is an effective way of preventing heat loss. The "cooling" effect of a roof made with COLORBOND® Ultra steel with THERMATECH™ technology is greatly reduced in winter because the sun is lower in the sky, and days are shorter and often overcast.
- **Save energy :** THERMATECH™ technology can be an effective way to reduce the energy load of your building in summer. When heat is reflected away from your building, air-conditioning has an easier job keeping your building cool. Using less energy to cool your building can help occupants save money on energy costs as well as potentially reduce emissions from electricity generation. In moderate to hot climates, COLORBOND® Ultra steel with THERMATECH™ technology can reduce annual cooling energy consumption by up to 20%, compared to roofing materials of similar colour with low solar reflectance. Average reduction is about 5%: results will depend on level of insulation, building shape and function.



- **Lasts longer :** COLORBOND® Ultra steel with THERMATECH™ technology absorbs less heat from the sun, protecting your roof and its supporting structure from extremes in heat. As a result, the stresses placed on your roof and its materials are reduced and it lasts longer.
- **Even darker colours reflect more heat:** It's widely known that lighter colours are better at reflecting heat. Now with THERMATECH™ technology, even the darker colours in the COLORBOND® Ultra steel range perform better without changing their appearance. So you can choose from a wider range of colours and still enjoy a thermally efficient roof.
- **Meet Leed Standard :** Green building rating tool such as Leadership in Energy and Environment Design (LEED) require materials with high SRI values for mitigating the Urban Heat Island (UHI) Effect. COLORBOND® Ultra steel with THERMATECH™ is able to provide higher SRI values thus complying to the green building (subjected to building design and color of roof panel).

Choice of Long Lasting, Vibrant Colours

COLORBOND® Ultra steel comes in standard colours to suit every environment. Choice of other colours is also possible.

Genuine Branded product

COLORBOND® Ultra steel is supplied with a brand mark at regular intervals on the backer coat side of the strip. This assures highest quality, backed by the team of qualified, experienced personnel at Tata BlueScope Steel.

Applications


Shanghai Wujing Power Station, China


Residential Building, Australia


Dolphin Quay, Australia


Water Treatment Plant, Tamil Nadu

Peace of Mind

COLORBOND® Ultra steel is backed by warranty from Tata BlueScope Steel, of upto 20 years prior to corrosion to perforation in natural elements and upto 10 years on exterior paint performance. For further details, please contact Tata BlueScope Steel office.*

**T & C Apply*


Contemporary Aesthetics


Durability


Cool Comfort


Assured Performance


A surety of Genuineness


Environment Friendly

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