

# COLORBOND® steel

## GENERAL INFORMATION

Revision 8, June 2012  
This literature supersedes all previous issues.

### 1 INTRODUCTION

COLORBOND® prepainted steel is the trade mark for the range of high quality prepainted steels produced by BlueScope Steel

### 2 COLORBOND® Steel DESIGNATION SYSTEM

Each COLORBOND® steel and Prepainted steel product can be identified by its own name, which indicates in initial form the application the product was designed for, or any special features the product offers.

The range of COLORBOND® steel and Prepainted steel products can be divided into two categories as follows:

#### 2.1 EXTERIOR

- COLORBOND® Coolmax® steel** - designed to provide the highest solar reflectance prepainted steel roofing to achieve the best benefit from cost effective and durable thermal performance.
- COLORBOND® Metallic steel** – a highly decorative, long life product designed for applications such as curtain walling and
- COLORBOND® Stainless steel** – designed to provide exceptional corrosion resistance and weatherability in exterior applications – particularly suited to severe marine and industrial environments.
- COLORBOND® steel** – designed for a range of roofing and walling applications, rainwater goods and accessories.
- COLORBOND® Ultra steel** – designed for severe environments with excellent corrosion resistance near marine or industrial environments, or in areas not washed by rain.
- COLORBOND® XFP steel** – Exterior Fencing Product. Designed to provide a high level of durability in fencing applications.
- COLORBOND® XGD steel** – Exterior Garage Doors. Designed to provide a high level of durability and formability for garage door applications.
- COLORBOND® XHI steel** - Exterior Home Improvements. Designed to provide a high durability material for patios and pergolas, with a high gloss finish. Typically used for roofing, post and beam components.
- COLORBOND® Exterior Insulated Panel steel** Exterior Insulated Panel steel. Designed specifically for use in the manufacture of sandwich panels for exterior building use. The product offers excellent formability coupled with good

For products intended to be used for architectural (sandwich) panels, material should be ordered as COLORBOND® steel;

- AQUAPLATE® steel** – a product consisting of a formable steel outer lined with a food grade polymer film designed for the manufacture of water storage tanks.
- Exterior Manufactured Articles prepainted steel** – a formable product designed for use in hot water jackets, air conditioner cabinets, garden sheds and other applications requiring good exterior performance.
- Exterior Hot Water prepainted steel** - designed to provide a cost effective product for Hot Water System wrappers.

#### 2.2 INTERIOR

- COLORBOND® Insulation Panel steel** – a product designed for the manufacture of sandwich panels for the coolroom industry.
- COLORBOND® Permagard® Insulation Panel steel** – a product designed for the manufacture of sandwich panels for the coolroom industry, with antibacterial properties.
- Drumstock® prepainted steel** – a product exhibiting high formability specifically designed for drumstock, combining a chemically resistant inner lining with an outer lining having good weatherability.
- General Manufactured Articles prepainted steel** – a product having excellent formability for general purpose manufactured articles such as garbage bins and air conditioning ducting.
- Interior Furniture & Shelving prepainted steel** – a product having good formability, designed for interior manufactured articles such as indoor furniture, office equipment and shelving.
- Interliner prepainted steel** - designed specifically designed for indoor panel use in factories and buildings with limited humidity. Limited flexibility at low/moderate cost.
- Primer Only Material steel** – normally overpainted after fabrication. Provides a readily paintable surface with good formability for products such as drum lids and body stock and appliance components.
- Sign Writing Panel prepainted steel** – a product specifically developed for overpainting by the sign writing industry.
- Superior Gloss Articles prepainted steel** – a durable and mar resistant product for the manufacture of non-critical interior appliance products.

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### Continued

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## 3 APPLICABLE STANDARDS

All COLORBOND® steel products are supplied to conform to the appropriate Australian standard.

Dimensional tolerances: AS/NZS 1365

### Substrate

Cold-rolled: AS/NZS 1595

Stainless steel: JIS G4305

Hot-dipped metallic-coated: AS 1397

Organic Finishes: AS/NZS 2728 Prepainted and organic film/metal laminate products – performance requirements for interior/exterior applications in buildings.

AS 4020 Testing of products for use in contact with drinking water.

For most products, the metallurgical ageing process which is inherent in the paint stoving cycle will result in some loss of ductility compared with unpainted product. However, minimum strength levels designated by relevant standards will still be met.

## 4 SIZE RANGE AVAILABILITY

Size range availability for BlueScope Steel Limited COLORBOND® steel products is given according to the preferred substrate used. Reference must be made to the appropriate BlueScope Steel Limited substrate data sheet if other substrates than preferred are to be used.

Width availability applies only to Westernport, Port Kembla, Erskine Park, and Acacia Ridge production, and may change if supplied from BlueScope Steel Limited Service Centres. Thickness referred to is the cold-rolled metal base thickness. Actual thickness will be the sum total of the cold-rolled base steel and metallic coating (where applicable) and organic finish thickness.

## 5 SUPPLY CONDITION

All COLORBOND® steel products are supplied in a non-oiled condition. COLORBOND® steel products are ink branded (unless otherwise requested) on the reverse side indicating the COLORBOND® steel product category, paint batch number, input coil number, date of production, and paint line number.

Double-sided COLORBOND® XFP steel (infill sheets) are laser branded on both surfaces with the COLORBOND® steel logo.

The majority of products within the COLORBOND® prepainted steel range are available with an optional protective polyethylene film with the trade mark CORSTRIP®.

CORSTRIP® polyethylene film is designed to protect the painted surface during fabrication, storage, transportation and on-site handling. It also provides additional lubrication particularly during drawing and pressing operations.

The CORSTRIP® film should not be exposed to sunlight for prolonged periods and must be removed immediately the finished product goes into service.

## 6 DATA SHEETS

These data sheets define the availability, performance and properties of the BlueScope Steel range of both COLORBOND® steel and Prepainted steel products at the time of printing. However, product variables can change from time to time and any doubts should be referred to the nearest BlueScope Steel Limited State Office.

COLORBOND®, PERMAGARD®, AQUAPLATE®, COOLMAX®, DRUMSTOCK® and CORSTRIP® are registered trade marks of BlueScope Steel Limited. BlueScope is a trade mark of BlueScope Steel Limited.

### BlueScope Steel Limited

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