

COLORBOND® Ultra steel for roofing & walling

General description

COLORBOND® steel for roofing and walling has been specifically designed by BlueScope to provide a highly durable roofing and wall cladding prepainted product for general use.

Typical uses

Roofing and accessories, wall cladding, rainwater goods.

Australian and International standards

Substrate - AS 1397:2021

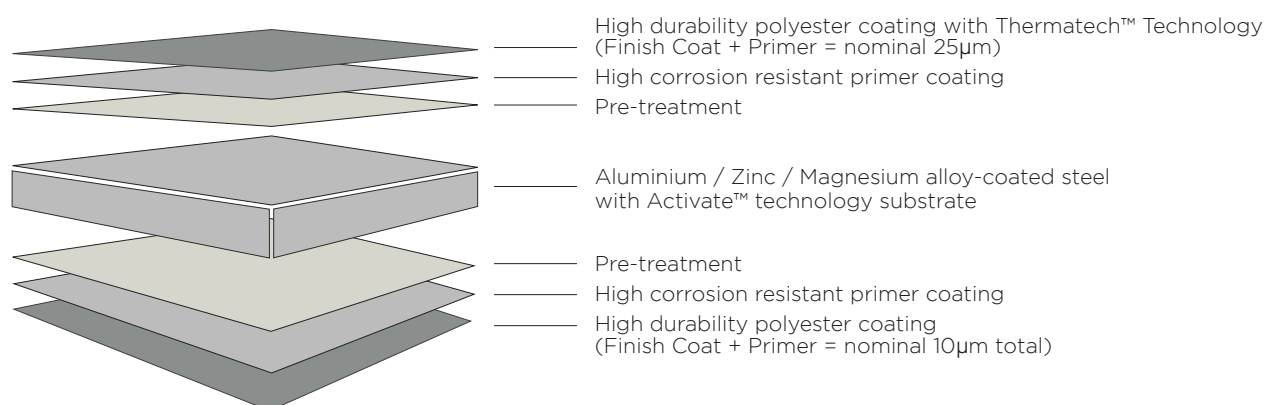
Paint Coating - AS/NZS 2728:2013 Type 4

ISO 9001:2015 Quality System certified

Preferred substrates

AM150 G550 steel with Activate™ technology. AM150 G300 steel with Activate™ technology.

For substrate properties please refer to AS 1397:2021.



Attributes tested during manufacture

| Property | Test & Evaluation Method(s) | Results |
|----------------|--|-----------------------------------|
| Adhesion | | |
| Reverse impact | AS/NZS 2728:2013 (App. E) | ≥10 joules |
| T-bend | AS/NZS 2728:2013 (App. F) | Maximum 6T |
| Specular gloss | | |
| 60° meter | AS/NZS 1580.602.2:1995 (R2013); ASTM D523-14 (2018) | Classic finish nominal ± 10 units |

Product attributes

| Property | Test & Evaluation Method(s) | Results |
|---|--|--|
| Flexibility | | |
| T-bend | ASTM D4145-10 (2018) | Maximum 10T (no cracking) |
| Resistance to abrasion | | |
| Scratch | AS 2331.4.7-2006 (R2017) | Typically 2000g |
| Hardness | | |
| Pencil | AS/NZS 1580.405.1:1996 (R2013) | HB or harder |
| Adhesion | | |
| Natural well washed exposure (10 years) | AS/NZS 1580.457.1:1996 (R2013) AS/NZS 1580.481.1.10:1998 (R2013) | No flaking or peeling |
| Resistance to humidity | | |
| Cleveland (500 hours) | ASTM D4585/D4585M-18; AS/NZS 1580.481.1.9:1998 (R2013) (Blisters); AS 1580.408.4-2004 (R2019) (Adhesion) | Blister density: ≤ 3 . Blister size: $\leq S2$. Undercut from score: ≤ 2 mm. No loss of adhesion or corrosion of base metal |
| Resistance to corrosion | | |
| QFog (2000 hours) | AS/NZS 1580.481.1.9:1998 (R2013) (Blisters); AS 1580.408.4-2004 (R2019) (Adhesion), AS 1580.481.3-2002 (R2013) (Undercutting, Corrosion) | Blister density: ≤ 2 . Blister size: $\leq S2$. Undercut from score: ≤ 1 mm. No loss of adhesion or corrosion of base metal |
| Resistance to colour change | | |
| Natural well washed exposure (10 years) | AS/NZS 1580.457.1:1996 (R2013) & ASTM D2244-21 (Colour) | ΔE CIEDE2000: Light colour: ≤ 4 units; Intermediate colour: ≤ 6 units; Dark colour ≤ 10 units |
| QUV (2000 hours) | ASTM G154-16 & ASTM D2244-21 (Colour) | ΔE CIEDE2000: Intermediate colour ≤ 5 units |
| Resistance to chalking | | |
| Natural well washed exposure (10 years) | AS/NZS 1580.457.1:1996 (R2013) & AS/NZS 1580.481.1.11:1998 (R2013) (Chalk Method B) | Chalk rating: ≤ 4 |
| QUV (2000 hours) | ASTM G154-16 & AS/NZS 1580.481.1.11:1998 (R2013) (Chalk Method B) | Chalk rating: ≤ 4 |

For more information about COLORBOND® steel email info@colorbondpacific.com or visit colorbondpacific.com

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