

COLORBOND® XRW 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

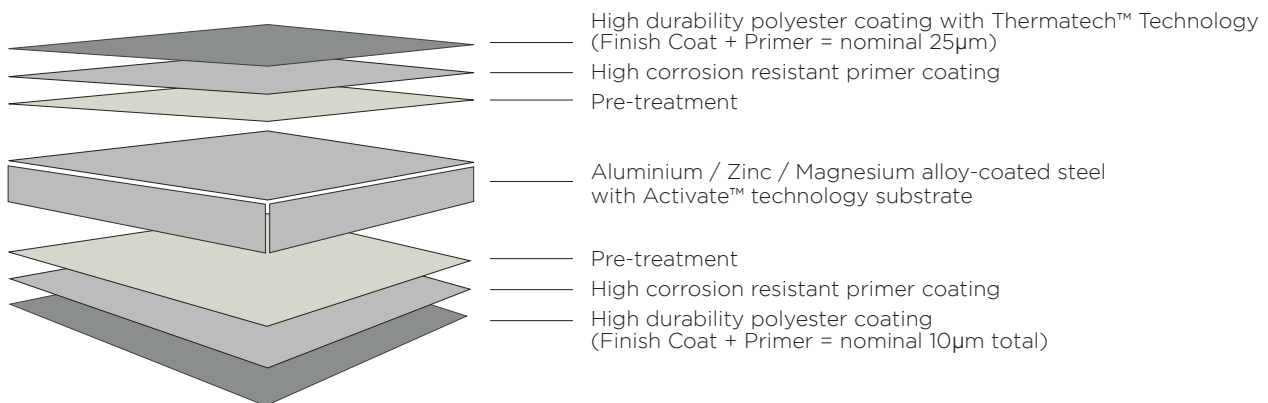
Paint Coating - AS/NZS 2728:2013 Type 4

ISO 9001:2015 Quality System certified

Preferred substrates

AM100 G550 steel with Activate™ technology. AM100 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

The information contained in this datasheet is provided by way of general information about this product only, and has not been prepared with your specific needs in mind. We recommend that you seek advice from New Zealand Steel Limited as to the suitability of this product for the purpose(s) for which you propose to use it. Please contact the New Zealand Steel Customer Services team, info@colorbondpacific.com for this information. COLORBOND® is a registered trademark of BlueScope Steel Limited. Thermatech™ is a trademark of BlueScope Steel Limited. Activate™ is a trademark of New Zealand Steel Limited. New Zealand Steel is a BlueScope Company. Copyright © New Zealand Steel Limited, August 2025.