

Coated Steel – Prepainted Data Sheet



September 2019. This literature supersedes all previous issues

Primer Only Material prepainted steel

General description

Primer Only Material prepainted steel is designed to be painted after fabrication. This product provides a readily paintable surface with good formability and good adhesion to postpainted topcoats, at relatively low cost.

Typical uses

Drum lid and body stock, appliance components, fascia, door and window sections. For alternative uses, please contact your nearest BlueScope Sales office for advice.

Australian and International standards

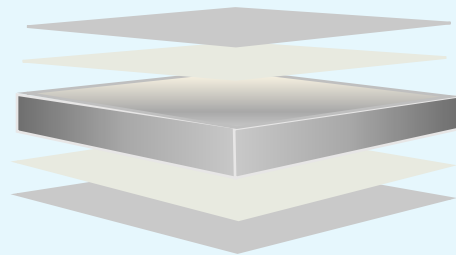
Substrate - AS 1397:2011
ISO 9001:2015 Quality System certified

Preferred substrates

Various substrates are available depending upon end use performance, requirements and costs. {Refer Note 4}

For substrate properties please refer to the relevant Uncoated, Metallic (AM and Z) Coated steel datasheets or AS 1397:2011.

Please refer to current price list or BlueScope State Sales Office for availability of colours and dimensions.



- Universal Corrosion Inhibitive Primer (Nominal 5µm)
- Conversion Coating
- Aluminium / Zinc / Magnesium alloy-coated steel with Activate® technology substrate (can be zinc-coated or uncoated)
- Conversion Coating
- Universal Corrosion Inhibitive Primer

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. Refer Note 1,3.

Product Attributes

Property	Test & Evaluation Method(s)	Results
Fire hazard properties		
Simultaneous determination of ignitability, flame propagation, heat release and smoke release (AS/NZS 1530.3:1999)	Ignitability index (0 – 20)	0
	Spread of flame index (0 – 10)	0
	Heat evolved index (0 – 10)	0
	Smoke developed index (0 – 10)	2
NCC non-combustible material concessions (NCC 2019; AS/NZS 1530.3:1999)	National Construction Code, Building Code of Australia 2019; Volume 1 Part C1.9.e, and Volume 2: Part 3.7.1.1.e	May be used wherever a non-combustible material is required.
	AS/NZS 1530.3:1999	
Combustibility test for materials (steel substrate) (AS 1530.1-1994)	AS 1530.1-1994	Not deemed combustible (steel substrate)

Important notes

1. Light powdering may be evident on bend radii during T-bend evaluation. This does not adversely affect intercoat adhesion.
2. The gloss varies with primer type but typically is in the range of 15-30 units (60°)
3. The minimum internal bend diameters for forming processes to achieve no paint cracking (visible using x10 magnification) and to avoid paint adhesion issues are specified by the T-bend flexibility and T-bend adhesion results respectively- where 1T equals the total coated thickness (tct) in mm of the material. These results are based on testing at 20-25°C.
4. 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 applicable.
5. Improper storage or use of non-approved roll-forming lubricants may cause brand transfer and paint blushing, and may adversely affect colour and long term durability. Product in coil or sheet pack form must be kept dry. If the coil or sheet pack becomes wet, it must be separated and dried (refer AS/NZS 2728:2013 Appendix L, and also Technical Bulletin TB7). Contact Steel Direct to obtain advice on appropriate rollforming lubricants.

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For more information contact Steel Direct

