

Prepainted - PP

GENERAL DESCRIPTION

Capero® prepainted steel, specifically designed by BlueScope to provide special decorative finishes while combines long term durability and exceptional corrosion resistance. To determine if warranties apply, please contact your nearest BlueScope sales office for advice.

TYPICAL USES

Residential architectural uses, example residential roofing and wall cladding requires special finishes. For material selection advice, please contact your nearest BlueScope sales office.

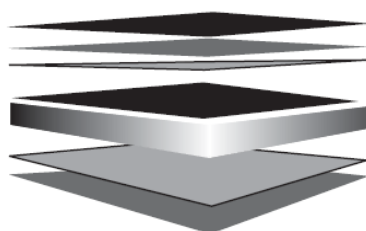
MALAYSIAN STANDARD

Paint Coating – MS2383 C3;

Substrate – MS1196

PRODUCT INFORMATION

PREFERRED SUBSTRATE	ZINCALUME® G550S AZ150 steel (Aluminium/Zinc alloy-coated steel)
	ZINCALUME® G300S AZ150 steel (Aluminium/Zinc alloy-coated steel) (Refer Note 8)
PRETREATMENT	Corrosion resistant proprietary conversion coating
PRIMER COAT	Universal corrosion inhibitive primer. Nominal dry film thickness 3µm on top primer
FINISH COAT	Custom formulated super polyester paint system with high performance pigments. Nominal dry film thickness 14µm on the top or weather side.
BACKING COAT	Custom formulated Texture Grey. Nominal dry film thickness 5µm
COLOUR	A range of standard colours is available. Other specifically required colours may be available on request.



Finish Coat (Nominal 14µm) (Refer Note 4 & 5)
 Universal Corrosion Inhibitive Primer (Nominal 3µm)
 Conversion Coating
 ZINCALUME® AZ150 Steel Substrate
 Conversion Coating
 Backing Coat (Texture Grey, Nominal 5µm) (Refer Note 6)

DIMENSIONAL CAPABILITIES*

ZINCALUME® G550S AZ150 STEEL		ZINCALUME® G300S AZ150 STEEL	
PREFERRED BASE METAL THICKNESS, mm*	MAXIMUM WIDTH, mm	PREFERRED BASE METAL THICKNESS, mm*	MAXIMUM WIDTH, mm
0.35, 0.55	1219	0.35, 0.55	1219
0.42, 0.48, 0.60	1230	0.42, 0.48, 0.60	1230

Notes

* These dimensions are a reflection of technical capability to produce. Any other sizes may be available on request.

The dimensional tolerances for thickness, width flatness and camber shall be in accordance with the requirements of AS/NZS1365.

Supply conditions may be subject to dimensional restrictions and is subject to BlueScope Sales and Marketing confirmation.

Slitting and shearing available on request from BlueScope Sales Offices. For requirements outside the standard product range please contact your local Sales Office.

ATTRIBUTES TESTED DURING MANUFACTURE

PROPERTY	TEST & EVALUATION METHOD (S)	RESULTS
Specular Gloss (60°meter)	MS133: Part D5	Nominal 7 ± 3 units
Reverse Impact	MS2383 (Annex C)	≥ 10 joules
T-bend	MS2383 (Annex D)	Maximum 6T. Refer Note 7

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EXPECTED PRODUCT SERVICE PERFORMANCE

The appearance of Capero® steel and other coil-coated products can change over time on exterior weathering not only due to pick-up of dirt but also to changes in the paint system itself such as gloss loss, chalking and fading of pigmentation. Colour change, which is largely due to the changes in pigmentation will depend on the colour chosen. It is measured using a spectrophotometer, according to ASTM D-2244 on surfaces thoroughly cleaned of dirt, chalk, oxidised film and foreign contaminants. The typical appearance change of standard Capero® steel colours in normal environments after 5 years of service are given in TABLE 1.

TABLE 1 – EXPECTED COLOUR CHANGE AFTER 5 YEARS IN NATURAL WELL-WASHED EXPOSURE (AS/NZS 1580.457.1 & ASTM D-2244)

COLOUR SHADE	TYPICAL APPEARANCE CHANGE (ΔE UNITS CIELAB 2000)
Intermediate (e.g. Ballistic Grey)	≤ 6
Dark (e.g. Melanic)	≤ 10

Notes

Refer Note 9 & 10

IMPORTANT NOTES

- All warranties for a product, if any, are subject to eligibility. Terms and conditions apply. Nothing in this document is intended by BlueScope to extend, modify or otherwise affect any stated product warranty. To find out more, please contact your nearest BlueScope sales office.
- If it is intended to use Capero® steel in an exterior application within 1km of salt marine locations, severe industrial or abnormally corrosive environments; in areas not washed by rain, or in applications where it will be wholly or partly buried in the ground, please contact your nearest BlueScope sales office for specialized advice. For selection of the most appropriate Capero® steel product, please refer to Technical Bulletins TB1a, TB1b, CTB16, CTB21, and CTB22.
- Customers should use product promptly (within 6 months) to avoid the possibility of storage related corrosion.
- Finish Coat – the coating applied to the exposed surface of the prepainted coil which is expected to meet the Performance Requirements.
- The product is supplied with a nominal 7 unit (60°) gloss Finish Coat.
- Backing Coat – a thin coating applied to the reverse surface of the prepainted coil. It also gives additional durability to the reverse surface during the service life of the product, but for aesthetic reasons is not recommended for exposure to sunlight. Performance Requirements are generally not applicable to backing coats.
- The minimum internal bend diameters for forming processes to achieve no paint cracking (visible using x 10 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.
- 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.
- 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/NZS2728 Appendix L, and also Technical Bulletin TB7). Contact nearest BlueScope sales office on appropriate roll-forming lubricants.
- Values quoted are for panels exposed in accordance with AS/NZS2728. Variations for in-situ performance may occur due complexity of building design and location.
- Capero® steel has good resistance to accidental spillage of solvents such as methylated spirits, white spirit, mineral turpentine, toluene, and trichloroethylene and dilute mineral acids and alkalis. However, all spillages should be immediately removed by water washing and drying.