

NEXTEEL™ STANDARD (ERW)

Nexteel™ pre-painted steel is designed to provide a fully warranted high durability metal cladding and roofing material.

USES

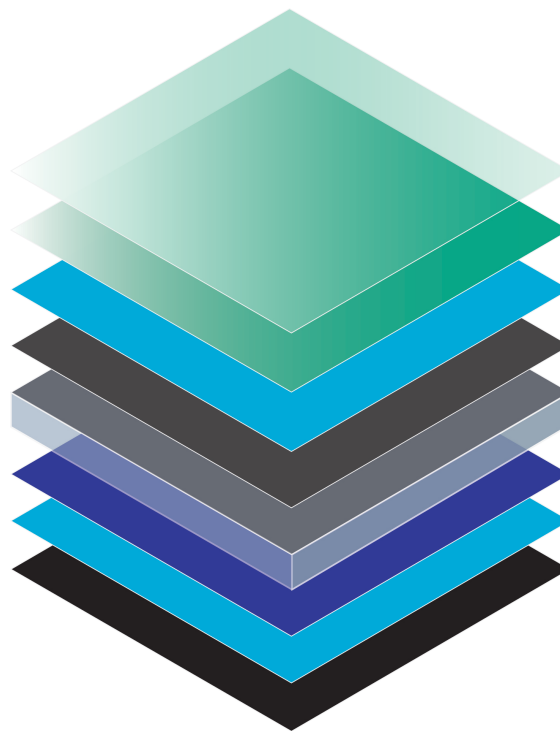
Roofing and flashing, wall cladding, rainwater goods.

AUSTRALIAN STANDARDS

Substrate: AS1397
Paint Coating: AS/NZS2728 Type 4

TYPICAL SUBSTRATES

Aluminium/Zinc Alloy G550S, AZ200 Steel.
Aluminium/Zinc Alloy G300S, AZ200 Steel.



- NextSTRIP™ 75um protective film (if applicable)
- NextSTAR™ Silicone Modified Polyester Top Coat 25um (nominal)
- Polyester Primer
- Conversion Coating
- Zinc / Aluminium Alloy Coated Steel Substrate
- Conversion coating
- Polyester Primer
- Backing Coat 10um (nominal)

FEATURES:

- Double UV
- Cool Coating Protection

LINE TESTED PROPERTIES

PROPERTY	TEST & EVALUATION METHODS	RESULTS
ADHESION		
T-bend	AS/NZS 2728:2013 (Appendix F)	Maximum 6T (no cracking)
Reverse Impact Resistance	AS/NZS 2728:2013 (Appendix E)	≤ 10 Joule
HARDNESS		
Pencil	AS/NZS 1580.405.1	HB or Harder
SPECULAR GLOSS		
60 degree metre	AS/NZS 1580.602.2	Nominal +- 10 units
	ASTM D523	



SA OFFICE:
123 Greenhill Road
Unley SA 5061
Tel +61 (0) 8 7078 0383

WA OFFICE:
55B Hector Street
Osborne Park WA 6017
Tel +61 (0) 8 9217 9011

MANUFACTURING:
6 Sandpiper Close
Kooragang NSW 2304
Tel +61 (0) 2 4920 1009

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PRODUCT ATTRIBUTES

PROPERTY	TEST & EVALUATION METHODS	RESULTS
RESISTANCE TO ABRASION		
Scratch Resistance	AS 2331.4.7	No marking evident 1500g
PAINTED FILM HARDNESS		
Solvent Resistance	ASTM D5402-15	Exceeds 50 Double Rubs
RESISTANCE TO HUMIDITY		
Cleveland (500 Hours)	ASTM D4545 AS/NZS 1580.408.4 (Adhesion) AS/NZS 1580.481.1.9 (Blisters)	Blister Density ≤ 2 Blister Size ≤ 3 No loss of adhesion No corrosion to base metal
RESISTANCE TO CORROSION		
Salt Spray (1000 hours)	AS/NZS 2728: 2013 AS/NZS 1580.481.1.9 (Blisters) AS1580.408.4 (Adhesion)	Blister Density ≤ 2 Blister Size ≤ 3 Undercut from score ≤ 2 mm No loss of adhesion No corrosion to base metal
Cyclic Corrosion Test (2000 hours)	AS/NZS 2728: 2013 AS/NZS 1580.481.1.9 (Blisters) AS1580.408.4 (Adhesion)	Blister Density ≤ 2 Blister Size ≤ 2 Undercut from score ≤ 1 mm No loss of adhesion No corrosion to base metal
RESISTANCE TO CHALKING		
QUV (2000 hours)	ASTM G154 & AS/NZS 1580.481.1.11 (Chalk Method B)	Chalk Rating ≤ 4
Natural Well Washed Exposure	AS/NZS 1580.457.1 & AS/NZS 1580.481.1.11	Chalk Rating ≤ 4
RESISTANCE TO COLOUR CHANGE		
Natural Well Washed Exposure	ASTM G154 ASTM D2244 (Colour)	ΔE Hunterlab CIElab 2000 Light Colour: < 2 Units Medium Colour: < 4 units Dark Colour: < 5 units
QUV (2000 hours)	AS/NZS 1580.457.1 & AS/NZS 1580.481.1.11	ΔE Hunterlab CIElab 2000: Medium Colour < 5 units
RESISTANCE TO FIRE		
Exposure	AS/NZS 1530.3	Ignitability index: 0 rating in a scale of 0-20 Spread of Flame Index: 0 rating in a scale of 0-10 Heat Evolved Index: 0 Rating in a scale of 0-10 Smoke Developed Index: 3 Rating in a range of 0 -10
RESISTANCE TO HEAT		
Exposure of 100°C continuous	ASTM D2244 (Colour)	Colour change ΔE cielab 2000: ≤ 3 units
NCC DEEMED-T0- SATISFY PROVISIONS		
Non-Combustible Material	National Construction Code, Building Code of Australia Volume 1 Part C1.12.e, and Volume 2: Part 3.7.1.2.e	May be used wherever a non-combustible material is required

1. This Product may not be suitable for use if it is intended to be installed in a severe industrial, or abnormally corrosive environments; in areas not washed by rain; or in applications where it will be wholly or partially buried in the ground.
2. The NextSTRIP™ protective film should be removed from the pre-painted steel strip immediately on installation. Exposure to sunlight can increase the adhesion of the protective film to the pre-painted surface.
3. Finish Coat means the coating applied to the environmentally exposed surface of the product which is expected to meet the performance requirements.
4. The product is supplied with a finish coat having a nominal specular gloss of 25 units (60°).
5. The Backing Coat is a low film build coating applied to the reverse (bottom) surface of the prepainted coil. Performance Requirements are generally not applicable to backing coats. Where specific Performance Requirements are necessary for the reverse surface coating, a 'double sided' product should be designated.
6. 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 2729 Appendix L).
7. This product has good resistance to accidental spillage of solvents such as methylated spirits, white spirit, mineral turpentine, toluene, trichloroethylene and dilute mineral acids and alkalis. However, all spillages should be immediately removed by water washing and drying.
8. All warranties for a product, if any, are subject to eligibility. Terms and conditions apply. Nothing in this document is intended by Nexteel™ to extend, modify, or otherwise affect any stated product warranty.