

NEXTEEL™ STANDARD (ERW)



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

USES

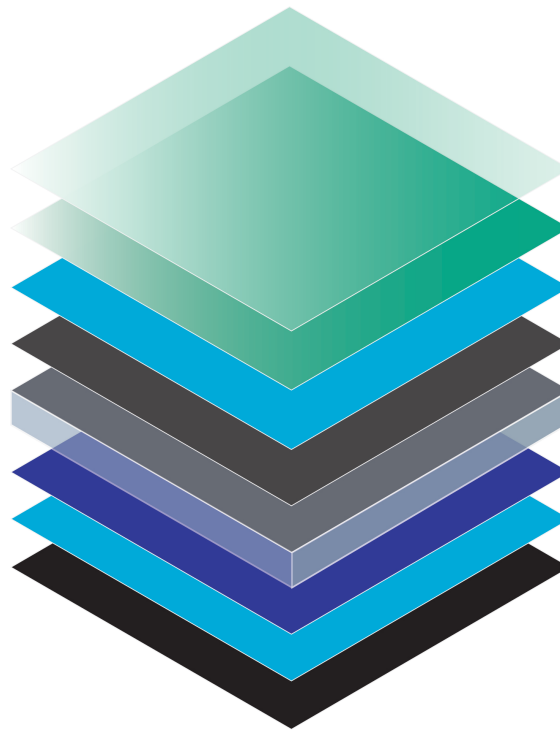
Roofing and flashing, wall cladding, rainwater goods.

AUSTRALIAN STANDARDS

Substrate: AS1397
Paint Coating: AS/NZS2728 Type 4

TYPICAL SUBSTRATES

Aluminium/Zinc Alloy G550S, AZ150 Steel.
Aluminium/Zinc Alloy G300S, AZ150 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 | |



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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-TO- 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.