



MRM Pre-Painted Coil Standard - Performance requirements

Materials used by New Zealand Metal Roofing Manufacturers Inc. (MRM) members for the manufacture of roofing, cladding and accessories, for use on Residential, Commercial and Industrial buildings, shall comply with this Standard;

AS/NZS 2728:2013

Compliance with the following sections of AS/NZS 2728:2013 in their entirety is required. To be clear, if the following sections are interpreted as Informative in AS/NZS 2728:2013, they are considered Normative (i.e. must be complied with) in this NZMRM standard.

- Material must comply with Section 2.1 through to 2.9 inclusive, including sub sections, and section 2.10.2, of AS/NZS 2728:20013, with reference to Section 1 Scope and general.
- AS/NZS2728:20013 appendices A, C, D, E, F, G, H, I (Cyclic corrosion test only), M and O are all integral parts of this standard.

In the case of product development using new combinations of materials of known individual performance (e.g. primer, topcoat, backer, or substrate), accelerated testing may be used as an interim proof of compliance until such time as four-year exposure testing is completed.

Commentary

- Section 1 of AS/NZS2728 includes clauses on Scope, Referenced Documents, Definitions, Safety, Product Finishes and Surface Protection
- Sections 2.1 through 2.9 of cover performance requirements. Specifically: Appearance, Gloss, Dry Film Thickness, Impact Resistance, Adhesion, Scratch Resistance, Durability of Organic Film and Humidity Resistance.
- Section 2.10.2 is the Cyclic Corrosion test. Note the NZMRM standard does not include the 2.10.1 Salt Spray Test.

Appendices of AS/NZS2728 included as Normative in the MRM Standard:

- A** Purchasing Guidelines. Gives additional information, specific requirements and fitness for purpose.
- C** Atmospheric Environments. Categorises environments for determination of performance level requirements of clause 2.8.



- D** Test Samples. Specifies preparation of test samples for exposure testing.
- E** Reverse Impact. Procedure required for testing impact resistance to the reverse side
- F** T-Bend Adhesion test. Procedure to be used for T bend adhesion
- G** Ball Adhesion Test. Adhesion test procedure for laminate products.
- H** Exposure test. Procedure for 4 year exposure test to determine resistance to UV exposure and marine environment. Note: Compliance with this test has been interpreted as being Informative in AS/NZS2728.
- I** Accelerated Corrosion test. Note the MRM standard requires that the Cyclic corrosion test be carried out.
- M** Safety Requirements. Guidelines on safe applications of paint coatings
- O** Colour Durability. This 4 year exposure test is Normative in the MRM standard.

Appendices of AS/NZS2728 considered Informative in the MRM standard:

- B** Demonstrating Compliance. Statistical sampling and Product Certification.
- J** Test Sites. Categorisation of specific test sites for testing
- K** Advice on weathering performance. Loss of Gloss, Chalking, Checking, Colour Fade and Erosion.
- L** Storage and Handling

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The referenced Standard - AS/NZS 2728:2013 -*Prefinished/prepainted sheet metal products for interior/exterior building applications - performance requirements* - is provided by Standards New Zealand under licence 001027. Please refer to this Standard for full details; it is available for purchase from www.standards.co.nz.