



## **MRM Pre Painted Coil Standard –Performance Requirements**

### **Purpose and Scope:**

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.

### **Part 1**

#### **ASNZS/2728:2013**

Compliance with the following sections of AS/NZS2728:2013 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 Sections 2.1 through to 2.9 inclusive, including sub sections, and section 2.10.2, of AS/NZS 2728:2013, with reference to Section 1 Scope and General.
- AS/NZS 2728:2013 appendices A, C, D, E, F, G, H, I (Cyclic corrosion test only), M and O are all integral parts of this standard.

### **Part 2**

#### **Additional Criteria**

In addition to the requirements of Part 1, the following criteria must be complied with:

- All prepainted materials must comply with the Hazardous Substances and New Organisms (HSNO) act 1996.

### **Commentary**

Section 1 of AS/NZS 2728:2013 includes clauses on Scope, Referenced Documents, Definitions, Safety, Product Finishes and Surface Protection

Sections 2.1 through 2.9 of AS/NZS 2728:2013 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 of AS/NZS 2728:2013 is the Cyclic Corrosion test. Note the MRM standard does not include the 2.10.1 Salt Spray Test.

### **Appendices of AS/NZS 2728:2013 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 Panels. Specifies preparation of test samples for exposure testing.

**E** Reverse Impact Test. 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** Durability and Corrosion Resistance. 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/NZS 2728:2013. This test procedure is required for demonstration of compliance with this MRM standard.

**I** Accelerated Corrosion test. Note the MRM standard only requires that the Cyclic corrosion test be carried out.

**M** Safety Requirements. Guidelines on safe applications of paint coatings

**O** Colour Durability. This four year Colour Durability Expectations is Normative in the MRM standard and Informative in AS/NZS 2728:2013.

### **Appendices of AS/NZS2728:2013 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

### **Copyright Acknowledgement:**

The referenced standard AS/NZS 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 the Standard for full details, available for purchase from [www.standards.co.nz](http://www.standards.co.nz)