

Australian/New Zealand Standard™

**Prefinished/prepainted sheet metal
products for interior/exterior building
applications—Performance
requirements**



AS/NZS 2728:2007

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee MT-009, Metal Finishing. It was approved on behalf of the Council of Standards Australia on 8 December 2006 and on behalf of the Council of Standards New Zealand on 20 December 2006.

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The following are represented on Committee MT-009:

Australasian Institute of Metal Finishing
Australian Aluminium Council
Australian Chamber of Commerce and Industry
Australian Industry Group
Australian Paint Manufacturer's Federation
Bureau of Steel Manufacturer's of Australia
Galvanizers Association of Australia
Galvanizing Association of New Zealand
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Additional Interests:

New Zealand Steel
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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee MT-009, Metal Finishing, at the request of industry, to supersede AS/NZS 2728:1997, *Prefinished/prepainted sheet metal products for interior/exterior building applications—Performance requirements*.

The objective of this Standard is to specify the requirements for prefinished sheet and strip intended for fabrication into products for use in the building industry.

The objective of this revision is to specify new testing requirements and procedures for prefinished/prepainted sheet metal products.

No international (ISO) Standards are available on this subject.

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the appendix to which they apply. A ‘normative’ appendix is an integral part of a Standard, whereas an ‘informative’ appendix is only for information and guidance.

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STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

Australian/New Zealand Standard**Prefinished/prepainted sheet metal products for interior/exterior building applications—Performance requirements**

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard specifies performance requirements for prepainted and organic film/metal laminate products in sheet and strip form that are coated on one or both sides, and that are intended for fabrication into products for use in the construction or finishing of buildings.

The Standard classifies prefinished/prepainted metal products into six types according to their performance, in respect to durability and aesthetics, in environments of varying severity.

NOTES:

- 1 Advice and recommendations on information to be supplied by the purchaser at the time of enquiry or order are contained in the purchasing guidelines set out in Appendix A.
- 2 To demonstrate a means of compliance to this Standard refer to Appendix B.
- 3 The performance of a coating will be dependent on the corrosion resistance of the substrate in the particular environment and on climatic influences that directly affect the coating. Such influences include solar radiation and the presence of water vapour (see Appendix C).
- 4 A guide for the safe application for paint products on metallic substrates is shown in Appendix M.
- 5 Appendix N sets out an interim procedure for the testing durability and corrosion resistance in naturally unwashed areas.

1.2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS

1199	Sampling procedures for inspection by attributes
1199.0	Part 0: Introduction to the ISO 2859 attribute sampling system
1199.1	Part 1: Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection
1397	Steel sheet and strip—Hot-dipped zinc-coated or aluminium/zinc-coated
1580	Paints and related materials—Methods of test
1580.408.4	Method 408.4: Adhesion (cross-cut)
1580.481.3	Method 481.3: Coatings—Exposed to weathering—Degree of corrosion of coated metal substrates
1734	Aluminium and aluminium alloys—Flat sheet, coiled sheet and plate
2313	Methods of test for single sided and double sided pressure-sensitive adhesive tape
2313.1.1	Method 1.1: Adhesion—Peel adhesion
2331	Methods of test for metallic and related coatings