

Australian/New Zealand Standard®

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

AS/NZS 2728:1997

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee MT/9, Metal Finishing. It was approved on behalf of the Council of Standards Australia on 15 October 1997 and on behalf of the Council of Standards New Zealand on 6 October 1997. It was published on 5 December 1997.

The following interests are represented on Committee MT/9:

Australasian Institute of Metal Finishing
Australian Chamber of Commerce and Industry
Department of Defence, Australia
Galvanising Association of New Zealand
Institute of Metals and Materials Australasia
Metal Trades Industry Association of Australia
New Zealand Abrasive Blasting Association
Royal Australian Chemical Institute
Society of Automotive Engineers, Australasia
Telstra Corporation

Additional interests participating in preparation of Standard:

Aluminium sheet and strip manufacturers
BHP Research and Technology
CSIRO, Division of Building, Construction and Engineering
Metal Building Products Manufacturers Association
Scientific Services Laboratory
Steel coil coating organizations (Australia and New Zealand)

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Originated in Australia as AS 2728— 1984.
Jointly revised and designated AS/NZS 2728:1997.

PUBLISHED JOINTLY BY:

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Homebush NSW 2140 Australia

STANDARDS NEW ZEALAND
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155 The Terrace,
Wellington 6001 New Zealand

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee MT/9, Metal Finishing, at the request of industry, to supersede AS 2728—1984, *Prepainted and organic film/metal laminate products—Performance requirements for interior/exterior applications in buildings*.

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

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

In this edition the requirements have been upgraded to accommodate products recently developed and to include information to categorize corrosion and sunshine test sites in Australia and New Zealand.

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 with an organic film, 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. It specifies three levels of coating finish.

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 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 B).

1.2 REFERENCED DOCUMENTS The following documents are referred to in this Standard:

AS

1397	Steel sheet and strip—Hot-dipped zinc-coated or aluminium/zinc-coated
1580	Paints and related materials—Methods of test
1580.403.1	Method 403.1: Scratch resistance
1580.408.4	Method 408.4: Adhesion (cross-cut)
1580.481.1.1	Method 481.1.1: Coatings—Exposed to weathering—General appearance
1580.481.1.2	Method 481.1.2: Coatings—Exposed to weathering—Discolouration (including bronzing)
1580.481.1.5	Method 481.1.5: Coatings—Exposed to weathering—Change in gloss
1580.481.1.7	Method 481.1.7: Coatings—Exposed to weathering—Degree of checking
1580.481.1.8	Method 481.1.8: Coatings—Exposed to weathering—Degree of cracking
1580.481.1.9	Method 481.1.9: Coatings—Exposed to weathering—Degree of blistering
1580.481.1.10	Method 481.1.10: Coatings—Exposed to weathering—Degree of flaking and peeling
1580.481.1.11	Method 481.1.11: Coatings—Exposed to weathering—Degree of chalking
1580.481.1.12	Method 481.1.12: Coatings—Exposed to weathering—Degree of colour change
1580.481.3	Method 481.3: Coatings—Exposed to weathering—Degree of corrosion of coated metal substrates
1635	Methods of test for pressure-sensitive adhesive tape
1635.3.1	Method 1635.3.1: Adhesion strength
1734	Aluminium and aluminium alloys—Flat sheet, coiled sheet and plate



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