

Australian Standard[®]

Hot-dipped zinc-coated, aluminium/zinc-coated or aluminium/zinc/magnesium-coated steel sheet — 76 mm pitch corrugated

STANDARDS
Australia



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- Australasian Institute of Metal Finishing
 - Australian Aluminium Council
 - Australian Chamber of Commerce and Industry
 - Australian Industry Group
 - Australian Paint Manufacturers Federation
 - Australia Steel Institute
 - Bureau of Steel Manufacturers of Australia
 - Galvanizers Association of Australia
 - Galvanizing Association of New Zealand
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Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee and through the public comment period.

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PREFACE

This Standard was prepared by Standards Australia Committee MT-009, Metal Finishing, to supersede AS 1445—1986, *Hot-dipped zinc-coated or aluminium/zinc-coated steel sheet—76 mm pitch corrugated*. It applies to 76 mm pitch corrugated steel sheet manufactured from hot-dipped zinc-coated, aluminium/zinc-coated or aluminium/zinc/magnesium-coated steel sheet in accordance with AS 1397.

The Committee recognized that guidance was needed in selection of available sheet sizes, materials, coating classes and so on, and that it was essential to limit the number of parameters to avoid proliferation. Consequently, rationalization of thicknesses and coating classes has been carried out with the object of facilitating availability. However, it should be noted that other combinations were not precluded from meeting this Standard except that they had to meet requirements of Standards such as AS 1170, AS 1562.1 or AS 4440.

Appendix A presents purchasing guidelines and directs attention to matters requiring consideration at the time of enquiry and/or order. The intention is to avoid misinterpretation or other problems and to ensure a clear understanding of product requirements by both purchaser and supplier.

The term 'informative' has been used in this Standard to define the application of the appendix to which it applies. An 'informative' appendix is only for information and guidance.

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STANDARDS AUSTRALIA

Australian Standard

Hot-dipped zinc-coated, aluminium/zinc-coated or aluminium/zinc/magnesium-coated steel sheet—76 mm pitch corrugated**1 SCOPE**

This Standard specifies requirements for 76 mm pitch corrugated steel sheet manufactured from hot-dipped zinc-coated, aluminium/zinc-coated or aluminium/zinc/magnesium-coated steel sheet in accordance with AS 1397.

Three classes of product are specified and these represent materials in common use for roofing (Class R), tankmaking (Class T) and walling (Class W).

NOTES:

- 1 Other combinations of dimensions and steel properties not covered by this Standard may be appropriate when designed to comply with AS 1170, AS 1562.1 and AS 4040.0 in accordance with wind loading and support requirements.
- 2 Attention is drawn to the fact that aluminium/zinc and aluminium/zinc/magnesium coatings are not solderable.
- 3 Guidelines to purchasers on requirements that are to be specified by the purchaser at the time of enquiry and/or order are given in Appendix A.

2 REFERENCED DOCUMENTS

The following standards are referred to in this Standard.

AS

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|--------|---|
| 1170 | Minimum design loads on structures |
| 1397 | Continuous hot-dip metallic coated steel sheet and strip—Coatings of zinc and zinc alloyed with aluminium and magnesium |
| 1562 | Design and installation of metal roofing |
| 1562.1 | Part 1: Metal |
| 2338 | Preferred dimensions of wrought metal products |
| 4040 | Methods of testing sheet roof and wall cladding |
| 4040.0 | Part 0: Introduction, list of methods and general requirements |

3 DESIGNATION**3.1 Material**

The steel base and metal coating shall be designated in accordance with AS 1397.

3.2 End use

End use designation shall be in accordance with the following:

- (a) Roofing—Class R.
- (b) Tankmaking—Class T.
- (c) Walling—Class W.
- (d) Pressing and stamping (miscellaneous)—Class S.