

Australian Standard[®]

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

STANDARDS
Australia



This Australian Standard® was prepared by Committee MT-009, Metal Finishing. It was approved on behalf of the Council of Standards Australia on 10 January 2013. This Standard was published on 4 February 2013.

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 Manufacturers Federation
 - Australia Steel Institute
 - Bureau of Steel Manufacturers of Australia
 - Galvanizers Association of Australia
 - Galvanizing Association of New Zealand
-

This Standard was issued in draft form for comment as DR AS 1445.

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.

Keeping Standards up-to-date

Australian Standards® are living documents that reflect progress in science, technology and systems. To maintain their currency, all Standards are periodically reviewed, and new editions are published. Between editions, amendments may be issued.

Standards may also be withdrawn. It is important that readers assure themselves they are using a current Standard, which should include any amendments that may have been published since the Standard was published.

Detailed information about Australian Standards, drafts, amendments and new projects can be found by visiting www.standards.org.au

Standards Australia welcomes suggestions for improvements, and encourages readers to notify us immediately of any apparent inaccuracies or ambiguities. Contact us via email at mail@standards.org.au, or write to Standards Australia, GPO Box 476, Sydney, NSW 2001.

Australian Standard[®]

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

Originated as AS 1445—1973.
Previous edition 1986.
Fourth edition 2013.

COPYRIGHT

© Standards Australia Limited

All rights are reserved. No part of this work may be reproduced or copied in any form or by any means, electronic or mechanical, including photocopying, without the written permission of the publisher, unless otherwise permitted under the Copyright Act 1968.

Published by SAI Global Limited under licence from Standards Australia Limited, GPO Box 476, Sydney, NSW 2001, Australia

ISBN 978 1 74342 342 4

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 4040.0.

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.

CONTENTS

	<i>Page</i>
1 SCOPE.....	4
2 REFERENCED DOCUMENTS.....	4
3 DESIGNATION.....	4
4 PROFILE OF CORRUGATED SHEET.....	5
5 TOLERANCES ON PROFILE.....	5
6 SHEET FOR ROOFING (CLASS R).....	6
7 SHEET FOR TANKMAKING (CLASS T).....	6
8 SHEET FOR WALLING (CLASS W).....	6
9 SHEET FOR PRESSING AND STAMPING (MISCELLANEOUS) ITEMS.....	7
10 LENGTH TOLERANCE.....	7
APPENDICES	
A PURCHASING GUIDELINES.....	8
B APPROXIMATE COATING THICKNESS.....	9

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

- | | |
|--------|---|
| 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.