

AS 2424—1991

Australian Standard®

**Plastics building sheets — General
installation requirements and
design of roofing systems**

This Australian Standard was prepared by Committee PL/22, Plastics Building Sheets. It was approved on behalf of the Council of Standards Australia on 30 August 1991 and published on 15 November 1991.

The following interests are represented on Committee PL/22:

Australian Uniform Building Regulations Coordinating Council
Composites Institute of Australia
Housing Industry Association, Australia
The Plastics Industry Association
The WorkCover Authority, New South Wales

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design of roofing systems**

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PREFACE

This Standard was prepared by the Standards Australia Committee on Plastics Building Sheets, under the direction of the Plastics Standards Board, to supersede AS 2424–1981.

This edition incorporates changes to allow for the provision of 2.00 mm diameter of wire for safety mesh.

Plastics building sheets are installed using the normal procedures for other types of building sheets but with certain modifications to fixing techniques because of the inherent properties of the material. The purposes of this Standard are to reinforce general safety rules in relation to sheet installation and to highlight the differences in fixing techniques required for plastics sheets as compared with those used for sheets of other materials.

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STANDARDS AUSTRALIA

Australian Standard

**Plastics building sheets — General installation requirements and design
of roofing systems**

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE This Standard sets out procedures for the installation of plastics building sheets for walls and roofs and for the design of plastics roofing systems.

The Standard is primarily intended to apply to the use of plastics building sheets complying with AS 2376, Parts 1 and 2.

NOTES:

- 1 The sheets do not contribute to the structural or load-bearing capacity of the structure and due allowance should be made to the surrounding structure to compensate for the opening areas. For applications where structural design requirements must be satisfied, reference should be made to the design and testing provisions of AS 1562 for roofing without transverse joints.
- 2 For use of the sheets in abnormal environmental conditions, the advice of the manufacturer should be sought.

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

AS

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|--------|--|
| 1170 | SAA Loading Code |
| 1170.1 | Part 1: Dead and live loads and load combinations |
| 1170.2 | Part 2: Wind loads |
| 1250 | SAA Steel Structures Code |
| 1538 | Cold-formed Steel Structures Code |
| 1562 | Design and installation of metal roofing |
| 1650 | Hot-dipped galvanized coating on ferrous articles |
| 1657 | SAA Code for Fixed Platforms, Walkways, Stairways, and Ladders |
| 1684 | SAA Timber Framing Code |
| 1720 | Timber structures |
| 1720.1 | Part 1: Design methods |
| 1720.2 | Part 2: Timber properties |
| 2312 | Guide to the protection of iron and steel against exterior atmospheric corrosion |
| 2376 | Plastics building sheets |
| 2376.1 | Part 1: Extruded PVC |
| 2376.2 | Part 2: Glass fibre reinforced polyester (GRP) |
| 3567 | Textiles — Cloth, duck — Cotton and polyester/cotton |
| 3600 | Concrete structures |
| 3700 | SAA Masonry Code |
| 4100 | Steel structures |