

Australian/New Zealand Standard[®]

**Plastic roof and wall cladding
materials**

Part 5: Polycarbonate

AS/NZS 4256.5:1996

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee PL/22, Plastic Building Sheets. It was approved on behalf of the Council of Standards Australia on 15 January 1996 and on behalf of the Council of Standards New Zealand on 12 February 1995. It was published on 5 March 1996.

The following interests are represented on Committee PL/22:

Australian Building Codes Board
Australian Institute of Building Surveyors
Building Research Association of New Zealand
Composites Institute of Australia
CSIRO, Division of Building, Construction & Engineering, Australia
Housing Industry Association, Australia
Plastics and Chemicals Industry Association Incorporated, Australia
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PREFACE

This Standard was prepared by the Joint Australia/New Zealand Standards Committee PL/22 on Plastic Building Sheets.

This Standard is one of a series of Standards on plastic roof and wall cladding materials which, when complete, will comprise:

AS/NZS

- 4256 Plastic roof and wall cladding materials
- 4256.1 Part 1: General requirements
- 4256.2 Part 2: Unplasticized polyvinyl chloride (uPVC) building sheets
- 4256.3 Part 3: Glassfibre reinforced polyester (GRP)
- 4256.4 Part 4: Unplasticized polyvinyl chloride (uPVC) wall cladding and boards
- 4256.5 Part 5: Polycarbonate (this Standard)

These Standards are to be used in conjunction with the series of test methods for plastic building sheets which, when complete, will comprise:

AS/NZS

- 4257 Plastic roof and wall cladding materials—Methods of test
- 4257.0 Part 0: General introduction and list of methods
- 4257.1 Method 1: Determination of dimensional properties
- 4257.2 Method 2: Determination of dimensional stability at 60°C
- 4257.3 Method 3: Determination of mass per unit area of sheet
- 4257.4 Method 4: Determination of diffuse light transmission
- 4257.5 Method 5: Determination of glass-fibre content
- 4257.6 Method 6: Determination of impact resistance
- 4257.7 Method 7: Determination of colourfastness, light transmission and impact resistance following ultraviolet light exposure
- 4257.8 Method 8: Determination of residual styrene
- 4257.9 Method 9: Determination of bending strength and modulus of elasticity

In New Zealand technical requirements for building construction are contained in the New Zealand Building Code and the Building Regulations. The following Code clauses are, or may be, relevant in respect to plastic building sheets: B1 Structure, B2 Durability, C3 Spread of Fire, E2 External Moisture, E3 Internal Moisture, F2 Hazardous Buildings Materials, G7 Natural Light, H1 Energy Efficiency.

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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