

Australian/New Zealand Standard[®]

**Plastic roof and wall cladding
materials**

**Part 4: Unplasticized polyvinyl
chloride (uPVC) wall cladding
boards**

AS/NZS 4256.4:1995

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 25 August 1995 and on behalf of the Council of Standards New Zealand on 28 August 1995. It was published on 5 December 1995.

The following interests are represented on Committee PL/22:

Australian Building Codes Board
Australian Institute of Building Surveyors
Building Research Association of New Zealand
CSIRO, Division of Building, Construction & Engineering, Australia
Composite Institute of Australia
Housing Industry Association, Australia
Plastics and Chemicals Industry Association, Australia
Plastics Institute of New Zealand
University of Adelaide
WorkCover Authority of N.S.W.

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Suggestions for improvements to Joint Standards, addressed to the head office of either Standards Australia or Standards New Zealand, are welcomed. Notification of any inaccuracy or ambiguity found in a Joint Australian/New Zealand Standard should be made without delay in order that the matter may be investigated and appropriate action taken.

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PREFACE

This Standard was prepared by the Joint Australia/New Zealand Standards Committee PL/22 on Plastic Building Sheets to supersede AS 2920—1987 (in part), *Unplasticized polyvinyl chloride (uPVC) wall cladding*.

This Standard applies to uPVC wall cladding boards. It is anticipated that a surface distortion test will be called up by amendment to this Standard in 1996.

This Standard is one of a series of Standards for 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: Glass-fibre reinforced polyester (GRP)
- 4256.4 Part 4: Unplasticized polyvinyl chloride (uPVC) wall cladding and boards (this Standard)
- 4256.5 Part 5: Polycarbonate*

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*

It is issued as a Joint Standard under the terms of the Active Cooperation Agreement between Standards Australia and Standards New Zealand.

In New Zealand, technical requirements for building construction are contained in 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, 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.

* In course of preparation.