

Menu

- [Home Home](#)
- [About this portal](#)
- [Latest updates](#)

Print

[Save](#)

Email

[Resource detail](#)

[Citations](#)

NZS 4251.1:2007 Solid plastering - Cement plaster for walls, ceilings and soffits

Table of Contents

[View on Information Provider website](#) `{{ linkText }}`

Abbreviation

NZS 4251.1:2007

Valid from

26/07/1998

Replaces

Information provider

Standards New Zealand

Author

Standards New Zealand

Information type

New Zealand Standard

Format

PDF

Cited By

[This resource is cited by 17 documents \(show Citations\)](#)

Cites

[This resource cites 39 documents \(show Citations\)](#)

Description

This Standard sets out the requirements for solid plaster, and stucco over a drained and vented cavity with a rigid or non-rigid backing in buildings to achieve structurally sound, hard, durable and

water resistant surfaces.

This revision has introduced the requirement of cavity behind the plaster and applies to exterior and interior walls where impact loads are limited to soft body impacts associated with domestic use.

Scope

It deals with the preparation, mixing and application of cement-based plasters to walls, ceilings and soffits of solid substrates, and exterior stucco on rigid backing and non-rigid backings.

Stucco applications shall apply to buildings within the scope of 1.1.2 of NZS 3604. NZS 4251.1 applies to exterior and interior walls where impact loads are limited to soft-body impacts associated with domestic use.

Gypsum-based plaster and modified or proprietary modified plaster coatings are not included in this Standard.

For assistance with locating previous versions, please contact the information provider.

[Table of Contents](#) [View on Information Provider website](#) `{{ linkText }}`

For assistance with locating previous versions, please contact the information provider.

This resource is cited by:

NZS 4251.1:2007 Solid plastering - Cement plaster for walls, ceilings and soffits

This document is CITED BY:

- [B1/AS1 \(First edition, amendment 15\)](#)

NZS 4251.1:2007 is cited by Acceptable Solution B1/AS1: General from 01/08/2011

- [B1/AS1 \(First edition, Amendment 16\)](#)

NZS 4251.1:2007 is cited by Acceptable Solution B1/AS1: General from 01/08/2011

- [B1/AS1 \(First edition, Amendment 12\)](#)

NZS 4251.1:2007 is cited by Acceptable Solution B1/AS1: General from 01/08/2011

- [B1/AS1 \(First Edition, Amendment 17\)](#)

NZS 4251.1:2007 is cited by Acceptable Solution B1/AS1: General from 01/08/2011

- [B1/AS1 \(First edition, Amendment 14\)](#)

NZS 4251.1:2007 is cited by Acceptable Solution B1/AS1: General from 01/08/2011

- [B1/AS1 \(First edition, Amendment 11\)](#)

NZS 4251.1:2007 is cited by Acceptable Solution B1/AS1: General from 01/08/2011

- [B1/AS1 \(First edition, Amendment 13\)](#)

NZS 4251.1:2007 is cited by Acceptable Solution B1/AS1: General from 01/08/2011

- [B2/AS1 \(Second edition, Amendment 9\)](#)

NZS 4251.1:2007 is cited by Acceptable Solution B2/AS1: Durability from 30/09/2010

- [B2/AS1 \(Second edition, Amendment 8\)](#)

NZS 4251.1:2007 is cited by Acceptable Solution B2/AS1: Durability from 30/09/2010

- [B2/AS1 \(Second Edition, Amendment 10\)](#)

NZS 4251.1:2007 is cited by Acceptable Solution B2/AS1: Durability from 30/09/2010

- [B2/AS1 \(Second edition, Amendment 7\)](#)

NZS 4251.1:2007 is cited by Acceptable Solution B2/AS1: Durability from 30/09/2010

- [E2/AS1 \(Third Edition, Amendment 8\)](#)

NZS 4251.1:2007 is cited by Acceptable Solution E2/AS1: External Moisture from 01/08/2011

- [E2/AS1 \(Third Edition, Amendment 6\)](#)

NZS 4251.1:2007 is cited by Acceptable Solution E2/AS1: External Moisture from 01/08/2011

- [E2/AS1 \(Third Edition, Amendment 5, Errata 2\)](#)

NZS 4251.1:2007 is cited by Acceptable Solution E2/AS1: External Moisture from 01/08/2011

- [E2/AS1 \(Third Edition, Amendment 7\)](#)

NZS 4251.1:2007 is cited by Acceptable Solution E2/AS1: External Moisture from 01/08/2011

- [E2/AS1 \(Third Edition, Amendment 5\)](#)

NZS 4251.1:2007 is cited by Acceptable Solution E2/AS1: External Moisture from 01/08/2011

- [CP01:2011 \(Errata 1 January 2015\)](#)

NZS 4251.1:2007 is cited by Code of Practice for Weathertight Concrete and Concrete Masonry Construction

Back

NZS 4251.1:2007 Solid plastering - Cement plaster for walls,

ceilings and soffits

Show what documents this resource is CITED BY

Show what documents this resource CITES

Description

This Standard sets out the requirements for solid plaster, and stucco over a drained and vented cavity with a rigid or non-rigid backing in buildings to achieve structurally sound, hard, durable and water resistant surfaces.

This revision has introduced the requirement of cavity behind the plaster and applies to exterior and interior walls where impact loads are limited to soft body impacts associated with domestic use.

[View on Information Provider website](#)

[NZS 4251.1:2007 Solid plastering - Cement plaster for walls, ceilings and soffits](#)

Description

This Standard sets out the requirements for solid plaster, and stucco over a drained and vented cavity with a rigid or non-rigid backing in buildings to achieve structurally sound, hard, durable and water resistant surfaces.

This revision has introduced the requirement of cavity behind the plaster and applies to exterior and interior walls where impact loads are limited to soft body impacts associated with domestic use.

[View on Information Provider website](#)

This resource cites:

NZS 4251.1:2007 Solid plastering - Cement plaster for walls, ceilings and soffits

This document CITES:

New Zealand Standards

- [AS/NZS 1170.0:2002](#)

NZS 4251.1:2007 cites AS/NZS 1170.0:2002 Structural Design Actions - General principles

- [AS/NZS 1170.1:2002](#)

NZS 4251.1:2007 cites AS/NZS 1170.1:2002 Structural Design Actions - Permanent, imposed and other actions

- [AS/NZS 1170.2:2002](#)

NZS 4251.1:2007 cites AS/NZS 1170.2:2002 Structural Design Actions - Wind Actions

- [AS/NZS 1170.3:2003](#)

NZS 4251.1:2007 cites AS/NZS 1170.3:2003 Structural Design Actions - Snow and ice actions

- [AS/NZS 2269:1994](#)

NZS 4251.1:2007 cites AS/NZS 2269:1994 Plywood - Structural

- [AS/NZS 4534:1998](#)

NZS 4251.1:2007 cites AS/NZS 4534:1998 Zinc and zinc/aluminium-alloy coatings on steel wire

- [AS/NZS 4600:2005](#)

NZS 4251.1:2007 cites AS/NZS 4600:2005 Cold-formed steel structures

- [AS/NZS 4680:1999](#)

NZS 4251.1:2007 cites AS/NZS 4680:1999 Hot-dip galvanized (zinc) coatings on fabricated ferrous articles

- [NZS 1170.5:2004](#)

NZS 4251.1:2007 cites NZS 1170.5:2004 Structural Design Actions - Part 5: Earthquake design actions - New Zealand

- [NZS 3103:1991](#)

NZS 4251.1:2007 cites NZS 3103:1991 Specification for sands for mortars and plasters

- [NZS 3109:1997](#)

NZS 4251.1:2007 cites NZS 3109:1997 Concrete construction

- [NZS 3111:1986](#)

NZS 4251.1:2007 cites NZS 3111:1986 Methods of test for water and aggregate for concrete

- [NZS 3117:1980](#)

NZS 4251.1:2007 cites NZS 3117:1980 Specification for pigments for Portland cement and Portland cement products

- [NZS 3121:1986](#)

NZS 4251.1:2007 cites NZS 3121:1986 Specification for water and aggregate for concrete

- [NZS 3122:1995](#)

NZS 4251.1:2007 cites NZS 3122:1995 Specification for Portland and blended cements (General and special purpose)

- [NZS 3123:1974](#)

NZS 4251.1:2007 cites NZS 3123:1974 Specification for Portland pozzolan cement (type PP cement)

- [NZS 3125:1991](#)

NZS 4251.1:2007 cites NZS 3125:1991 Specification for portland-limestone filler cement

- [NZS 3602:2003](#)

NZS 4251.1:2007 cites NZS 3602:2003 Timber and wood-based products for use in building

- [NZS 3604:1999](#)

NZS 4251.1:2007 cites NZS 3604:1999 Timber framed buildings

- [NZS 3640:2003](#)

NZS 4251.1:2007 cites NZS 3640:2003 Chemical preservation of round and sawn timber

- [NZS 4210:2001](#)

NZS 4251.1:2007 cites NZS 4210:2001 Code of practice for masonry construction: materials and workmanship

- [NZS/AS 2908.2:1992](#)

NZS 4251.1:2007 cites NZS/AS 2908.2:1992 Cellulose-cement products - Part 2: Flat sheets

Australian Standards

- [AS 1366.4-1989](#)

NZS 4251.1:2007 cites AS 1366.4-1989 Rigid cellular plastics sheets for thermal insulation - Rigid cellular polystyrene - extruded (RC/PS-E)

- [AS 1478.1-2000](#)

NZS 4251.1:2007 cites AS 1478.1-2000 Chemical admixtures for concrete, mortar and grout - Admixtures for concrete

- [AS 1672.1:1997](#)

NZS 4251.1:2007 cites AS 1672.1:1997 (R2016) Limes and limestones - Limes for building

- [AS 2758.1:1998](#)

NZS 4251.1:2007 cites AS 2758.1:1998 Aggregates and rock for engineering purposes

- [AS 3566.1:2002 \(R2015\)](#)

NZS 4251.1:2007 cites AS 3566.1:2002 (R2015) Self-drilling screws for the building and construction industries - Part 1: General requirements and mechanical properties

- [AS 3566.2-2002](#)

NZS 4251.1:2007 cites AS 3566.2-2002 Self-drilling screws for the building and construction industries. Part 2: Corrosion resistance requirements

- [AS 3730.10-2006](#)

NZS 4251.1:2007 cites AS 3730.10-2006 (R2016) Guide to the properties of paints for buildings. Part 10: Latex - Exterior - Gloss

- [AS 3730.7-2006 \(R2016\)](#)

NZS 4251.1:2007 cites AS 3730.7-2006 (R2016) Guide to the properties of paints for buildings. Part 7: Latex - Exterior - Flat

- [AS 3730.8-2006 \(R2016\)](#)

NZS 4251.1:2007 cites AS 3730.8-2006 (R2016) Guide to the properties of paints for buildings. Part 8: Latex - Exterior - Low-gloss

- [AS 3730.9-2006 \(R2016\)](#)

NZS 4251.1:2007 cites AS 3730.9-2006 (R2016) Guide to the properties of paints for buildings. Part 9: Latex - Exterior - Semi-gloss

Other

- [ASTM C1042-99](#)

NZS 4251.1:2007 cites ASTM C1042-99 Test method for bond strength of latex systems used with concrete by slant shear

- [ASTM C1116-95](#)

NZS 4251.1:2007 cites ASTM C1116-95 Specification for fibre-reinforced concrete and shotcrete

- [ASTM C1152-04e1](#)

NZS 4251.1:2007 cites ASTM C1152-04e1 Standard test method for acid-soluble chloride in mortar and concrete

- [ASTM C631-95a](#)

NZS 4251.1:2007 cites ASTM C631-95a (R2004) Specification for bonding compounds for interior gypsum plastering

- [ASTM C932-80\(2005\)](#)

NZS 4251.1:2007 cites ASTM C932-80(2005) Specification for surface-applied bonding agents for exterior plastering

- [ASTM C952-91](#)

NZS 4251.1:2007 cites ASTM C952-91 Test method for bond strength of mortar to masonry units

- [BS 1881-124:1988](#)

NZS 4251.1:2007 cites BS 1881.124:1988 Testing concrete. Methods for analysis of hardened concrete

Back

Close

Table of Contents

1 Scope And Interpretation

1.1 Scope

1.2 Interpretation

1.3 New Zealand Building Code

1.4 Application

1.5 Definitions

2 General Considerations

2.1 General Requirements Of Solid Plastering

2.2 Materials For Solid Cement Plasters

2.3 Plaster Mixes

2.4 Batching And Mixing

2.5 Application And Curing Of Plaster Coats

2.6 Surface Coatings

2.7 Maintenance

3 Solid Substrates

3.1 Scope

3.2 Surface Preparation

3.3 Assessment Of Porosity And Surface Dampening

3.4 Plaster Systems For Solid Substrates

3.5 Plaster Thickness For Solid Substrates

4 Stucco On Rigid Backings

4.1 Scope And General Considerations

4.2 Materials And Fixing

4.3 Plaster Systems For Stucco On Rigid Backings

4.4 Plaster Thickness For Stucco On Rigid Backings

5 Stucco On Non-Rigid Backings

5.1 Scope And General Considerations

5.2 Materials And Fixing

5.3 Metal Reinforcement And Flashings

5.4 Plaster Systems For Stucco On Non-Rigid Backings

5.5 Plaster Thickness For Stucco On Non-Rigid Backings

Appendix

A Matters Outside The Scope Of This Standard (Informative)

B Types Of Finishing Coat (Informative)

C Sand Assessment Method (Informative)

D Plaster On Curing (Informative

Table

1 Grading Of Sand

2 Grading Of Finishing Sand

3 Mixes For Plastering (By Volume)

4 Plaster Systems For Solid Substrates

5 Thickness Of Plaster Coats For Solid Substrates

6 Plywood Sheet Thickness

7 Thickness Of Plaster Coats For Rigid Backing

8 Thickness Of Plaster Coats For Non-Rigid Backing

Figure

1(A) Flashing For Metal Window Frames

1(B) Flashing For Timber

2 Stucco Pipe Penetration

3 Control Joints At Openingss

4(A) Stucco Control Joint – Vertical T-Section

4(B) Stucco Control Joint – External Corner

4(C) Stucco Control Joint – Vertical Sealant

4(D) Stucco Control Joint – Horizontal

5 Rigid Backing Detail

6 Non-Rigid Backing Detail

C1 Bottle Test

[Save](#)

[Feedback](#)

- [Contact us](#)
- [Privacy policy](#)
- [Disclaimer](#)
- [Copyright](#)

[Feedback](#)