

STANDARDS AUSTRALIA

Amendment No. 1
to
AS/NZS 4420.1:2016
Windows, external glazed, timber and composite doors—Methods of test
Part 1: Test sequence, sampling and test methods

REVISED TEXT

The 2016 edition of AS 4420.1 is amended as follows; the amendments should be inserted in the appropriate places.

SUMMARY: This Amendment applies to the Designation, Preface, Clauses 1.3, 2, 2.1, 2.1A (new), 2.4 and 6.3.2.

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Designation

Delete 'AS/NZS 4420.1:2016' and *replace* with 'AS 4420.1:2016' in all instances.

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Preface

After first paragraph, *add* the following new paragraph:

Amendment No. 1 to this Standard was prepared by the Australian members of the Joint Standards Australia/Standards New Zealand Committee MS-049, Retroflective Devices. As a consequence of Amendment No. 1, which is published as an Australian-only amendment, this Standard will be redesignated from AS/NZS 4420.1:2016 to AS 4420.1:2016.

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Clause 1.3

Delete text and *replace* with the following:

For the purpose of this Standard, the definitions given in AS 2047, and the following, apply:

1.3.1 Shall

Indicates that a statement is mandatory.

1.3.2 Should

Indicates a recommendation.

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Clause 2

Delete heading and *replace* with the following:

2 LABORATORY REQUIREMENTS, TEST SPECIMEN, PREPARATION FOR TESTS, AND TEST SEQUENCE

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Clause 2.1

Delete text and *replace* with the following:

This Clause specifies the requirements for testing laboratories, test specimens, their methods of preparation for test, and the test sequence.

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Clause 2.1A (new)

Insert Clause 2.1A after Clause 2.1:

2.1A Laboratory requirements

Laboratories that perform the tests outlined in this Standard shall meet the requirements of AS ISO/IEC 17025.

NOTE: By way of example, accreditation bodies which are signatories to the International Laboratory Accreditation Cooperation (ILAC) Mutual Recognition Arrangement (MRA) for testing laboratories may be able to offer accreditation against the requirements of AS ISO/IEC 17025. A listing of ILAC signatories is available from the ILAC website (www.ilac.org). In Australia and New Zealand, the National Association of Testing Authorities (NATA), Joint Accreditation System of Australia and New Zealand (JAS-ANZ) and International Accreditation New Zealand (IANZ) are signatories to the ILAC MRA.

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Clause 2.4

Delete text and *replace* with the following:

In the case of two or more tests listed in Clause 1.1 being carried out in one laboratory work contract, the tests should be in the following sequence:

- (a) Deflection test under the specified positive and negative wind load.
- (b) Operating force test.
- (c) Air infiltration test.
- (d) Water penetration resistance test.
- (e) Ultimate strength test.

If a deflection test is not carried out, an initial pressure equivalent to 50% of either the positive or negative SLS test pressure shall be applied to the test specimen and held for one minute. This shall be taken as a settling-in take-up period.

If the test specimen requires modification to gaskets, weatherseals, joint seals or drainage details to enable it to pass either the air infiltration test or the water penetration resistance test, then both tests shall be repeated in full.

Before retesting, the test specimen shall be checked to ensure it is operative (Clause 2.2) and the Serviceability (SLS) test pressures, both positive and negative shall be applied for one minute each to the test sample. Any modification to the test specimen shall be noted on the respective drawing and the amendment coded thereon.

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Clause 6.3.2

Delete the first sentence and *replace* with the following:

The test specimen shall be subjected to water sprayed uniformly and continuously over the exterior face of the test specimen at a rate not less than 0.05 L/m².s.
