

Australian Window Association



Photograph courtesy of Gippsland Windows and Doors

Window & Door Performance Accreditation **What it means to you**

Important information for home owners, builders, councils, designers and window manufacturers on your rights and responsibilities under AS2047.



www.awa.org.au

Australian Standards – what they mean to you

Under the Building Code of Australia, window manufacturers are required to produce windows and doors that meet mandatory minimum specifications under Australian Standard (AS) 2047 – including AS1288. Windows made from timber, aluminium, uPVC or other materials must undergo the following performance tests to verify product performance claims to AS2047:

- ✓ AS4420.2 Deflection Test – positive and negative wind pressures are applied to the face of the window to test the maximum deflection under wind load.
- ✓ AS4420.3 Operating Force Test – to verify that an opening sash is capable of opening and closing without undue effort.
- ✓ AS4220.4 Air In filtration Test – the air leakage of a window is tested to ensure energy and acoustic efficiency.
- ✓ AS4420.5 Water Penetration Resistance Test – to verify that no water leaks through the window into the building.
- ✓ AS4420.6 Ultimate Strength Test – negative and positive wind pressures are applied to the window to at least 1.5 times the design wind pressure to ensure it does not fail in unusual wind conditions.

 <p>This manufacturer certifies that this product was designed to conform with AS2047. The design performance has been verified by NATA accredited test laboratory. This manufacturer is a member of the AWA Accreditation Program.</p>		<p>DESIGN PERFORMANCE</p>
		<p>700 Structural Water Resistance Pa 150</p>
<p>ACCREDITED MEMBER No. AWA XXX</p>		

Identifying Compliant Windows and Doors

All residential windows and doors must be marked with a Performance Label that confirms the windows or doors are certified to comply with Australian Standard 2047. If you purchase products from an accredited AWA member, you can also receive a Certificate of Compliance that supports a minimum 6 year warranty.

Certificate of Compliance

All window manufacturers must comply with Australian Standard 2047 and must be able to verify compliance on request. This Certificate of Compliance confirms that the manufacturer:

- ✓ Is a participating member of the AWA Accreditation Program.
- ✓ Provides a 6 year warranty against faulty workmanship and materials.
- ✓ Is committed to the AWA Code of Conduct.
- ✓ Has met the requirements of the annual AWA Compliance Audit conducted by a NATA accredited auditor.



Important Considerations

- ✓ For housing the purchaser should nominate the window ratings when ordering window assemblies. These are the N & C ratings as per AS2047 and AS4055.
- ✓ For all other buildings, the purchaser should nominate the design wind pressures for the window assemblies when ordering the windows. This means nominating the ULS and SLS pressures as per AS2047 and AS1170.2.
- ✓ The manufacturer of standard window assemblies should verify the windows comply to the specified rating or design wind pressure. For housing windows must be labelled showing the manufacturer's identification mark, the window rating and the water penetration resistance. For all other buildings the windows shall be labelled as above or a certificate of compliance supplied. Manufacturer's making a statement of compliance must ensure that such compliance is capable of being verified.

Certification and Council Approvals

Building Surveyors and Council Certifiers require compliance verification, so attaching the Compliance Certificate to your applications will expedite approvals.

Care and Maintenance

A window is an engineered product with moving parts that may require general care and maintenance. These instructions are available from the manufacturer and the AWA upon request.

Disclaimer: Any advice, recommendation, information, assistance or service provided by the AWA is given in good faith and is believed by the party to be appropriate, but is given without any liability or responsibility on the AWA's behalf.

Quick Performance Accreditation Checklist

Before you purchase your windows and doors, ensure that:

- ✓ The windows and doors are accredited by an independent third party to Australian Standards.
- ✓ The right Performance Label will be on your windows and doors.
- ✓ You will be provided with a minimum 6 year warranty.

If you are unsure that your supplier is an AWA member or if the products are compliant, contact the AWA. Replacing windows and doors is a major cost and it is easier to get it right the first time.

Further Information

For more information on the Australian Window Association, certification of products, directory of accredited manufacturers or how to become a member, contact us on 02 9498 2768 or visit www.awa.org.au.

Think about your windows...ensure you are protected.



