

JIS

JAPANESE INDUSTRIAL STANDARD

Test Method for Wind Resistance of Windows and Doors

JIS A 1515—1983

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Test Method for Wind Resistance
of Windows and Doors

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1. Scope

This Japanese Industrial Standard specifies the wind resistance test, using a pressure chamber, on Class 1 and Class 2 opening components specified in JIS A 0005 under closed and locked conditions.

Remark: The units and numerical values given in { } in this standard are in accordance with the International System of Units (SI), and are appended for reference.

2. Definitions

The principal terms used in this standard are as defined below.

- (1) pressure chamber system A system which is a chamber fitted to the outside of a window or door to increase or decrease the pressure so in order to generate the pressure differential between the interior and exterior of a test specimen.
- (2) pressure differential A difference between the absolute air pressure on the external and internal surfaces of a window or door.
- (3) positive pressure and negative pressure In the case where the external pressure of a window or door is higher than the internal pressure, it is defined as the positive pressure. In the opposite case, it is defined as the negative pressure.
- (4) residual deformation Injurious deformation which does not disappear when pressure has been removed.
- (5) frontal displacement A displacement, including an amount of transfer, from an original position to outside the plane of window or door.
- (6) frontal deflection The maximum difference between the frontal displacements which are measured on the window or door.

Applicable Standards:

JIS A 0005-Standard Nominal Size of Opening Components for Buildings

JIS A 1513-General Rule for Test Method of Windows and Doors

JIS Z 8401-Rules for Rounding off of Numerical Values