

JIS

JAPANESE INDUSTRIAL STANDARD

**Method of fire test for wooden
structural parts of buildings**

JIS A 1301—1994

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Method of fire test for
wooden structural parts of buildings

A 1301-1994

1. Scope This Japanese Industrial Standard specifies method of fire test for wooden structural parts of buildings such as wall, column, beam, floor (inclusive of ceiling), etc.

Remarks 1. The shock test and the watering test specified in 6. and 7. respectively shall be carried out where necessary.

2. The structure that passed this test shall be marked in accordance with the following divisions:

Grade of heat test Grade 1, Grade 2 and Grade 3

Other test is carried out or not { Shock test S
Watering test W

Symbol Example: Grade 2 SW — Structure that passed Grade 2 heat test, and passed shock test and watering test.

3. The following standard is cited in this Standard:

JIS C 1602 Thermocouples

4. The units and numerical values in { } in this Standard are based on the traditional units and appended for informative reference.

2. Test piece

2.1 Test piece shall be of the same construction as that used practically, and if there is partial difference in fire-proof, the part regarded as weak in fire-proof shall be included.

2.2 Reference size of test surface of test piece shall conform to Table 1.

Table 1

Kinds of test piece	Size
Wall, floor	180 cm × 180 cm min.
Column	Length 180 cm min. (section shall be actual one.)
Beam	Length 180 cm min. (section shall be actual one.)

2.3 The test piece shall be dried up to the air dried state.

3. Heating furnace

3.1 Heating furnace shall be able to make temperature change corresponds with time shown in 4. almost uniformly on whole test surface.