

JIS

JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS R 3223 : 2017

(FGMAJ/JSA)

Tempered fire resistance glass

ICS 81.040.20;81.040.30

Reference number : **JIS R 3223 : 2017 (E)**

R 3223 : 2017

Date of Establishment: 2017-03-21

Date of Public Notice in Official Gazette: 2017-03-21

Investigated by: Japanese Industrial Standards Committee
Standards Board for ISO area
Technical Committee on Architecture

JIS R 3223:2017, First English edition published in 2017-10

Translated and published by: Japanese Standards Association
Mita MT Building, 3-13-12, Mita, Minato-ku, Tokyo, 108-0073 JAPAN

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Printed in Japan

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Foreword

This translation has been made based on the original Japanese Industrial Standard established by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee according to the proposal for establishment of Japanese Industrial Standard submitted by Flat Glass Manufacturers Association of Japan (FGMAJ)/Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law.

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Tempered fire resistance glass

1 Scope

This Japanese Industrial Standard specifies the tempered fire resistance glass which is rectangular or square in shape and used for fire protection equipment in buildings. The tempered fire resistance glass constituting sealed insulating glass, laminated glass and laminated sealed insulating glass is also within the scope of this Standard.

NOTE : The tempered fire resistance glass is a glass manufactured to be suitable for fire protective purposes by the following process: The soda lime glass, used as a base material, is cut to the specified dimensions, given a special polishing around the edge, and then given a controlled thermal treatment to induce compressive stress on the glass surface, and the edge strength is increased so that its heat crack resistance is enhanced.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

- JIS A 1304 *Method of fire resistance test for structural parts of buildings*
- JIS A 5430 *Fibre reinforced cement boards*
- JIS B 7502 *Micrometers*
- JIS B 7512 *Steel tape measures*
- JIS B 7516 *Metal rules*
- JIS C 1605 *Mineral insulated thermocouples*
- JIS R 3106 *Testing method on transmittance, reflectance and emittance of flat glasses and evaluation of solar heat gain coefficient*
- JIS R 3202 *Float glass and polished plate glass*
- JIS R 3203 *Patterned glass*
- JIS R 3208 *Heat absorbing glass*
- JIS R 3209 *Sealed insulating glass*
- JIS R 3221 *Solar reflective glass*
- JIS R 3222 *Heat-strengthened glass*

3 Terms and definitions

For the purposes of this Standard, the following terms and definitions apply.

3.1 float tempered fire resistance glass

tempered fire resistance glass manufactured with float plate glass, polished plate glass, heat absorbing float plate glass or heat absorbing polished plate glass