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(FGMAJ/JSA)

**Glass in buildings—Insulating glass—
Part 1: Durability of edge seals by
climate tests**

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Foreword

This Japanese Industrial Standard has been 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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JIS R 3224 series consists of the following two parts under the general title “*Glass in buildings-Insulating glass*”:

JIS R 3224-1 *Part 1: Durability of edge seals by climate tests*

JIS R 3224-3 *Part 3: Gas concentration and gas leakage*

Glass in buildings—Insulating glass— Part 1: Durability of edge seals by climate tests

Introduction

This Japanese Industrial Standard has been prepared based on **ISO 20492-1:2008**, Edition 1, with some modifications of the technical contents in order to reflect the situation in Japan.

The vertical lines on both sides and dotted underlines indicate changes from the corresponding International Standard. A list of modifications with the explanations is given in Annex JA.

1 Scope

This Standard specifies methods for testing the durability of edge seals used on the periphery of insulating glass units by means of climate tests. Of the methods for testing the durability of edge seals by climate tests, the method intended for the use in the North American market is designated as Approach 1 and for the use in the European market as Approach 2 in this Standard.

This Standard is applicable to sealed, insulating glass units with one or two cavity layers, including insulating glass units with tubes connecting the cavity layers and the surrounding atmosphere for the purpose of equalizing pressure.

This Standard is not applicable to insulating glass units that contain a spandrel glass coating and does not apply to insulating glass units whose function is decorative only.

NOTE The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows.

ISO 20492-1:2008 *Glass in buildings—Insulating glass—Part 1: Durability of edge seals by climate tests* (MOD)

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standard and **JIS** are IDT (identical), MOD (modified), and NEQ (not equivalent) according to **ISO/IEC Guide 21-1**.

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 Q 9001 *Quality management systems—Requirements*

NOTE Corresponding International Standard: ISO 9001 *Quality management systems—Requirements* (IDT)

JIS R 3209 *Insulating glass*

ISO 760 *Determination of water—Karl Fischer method (General method)*