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Solar reflective glass

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Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision 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 applicable to the case of revision by the provision of Article 14. Consequently **JIS R 3221:1995** is replaced with this Standard.

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In the event of any doubts arising as to the contents,
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Solar reflective glass

1 Scope This Japanese Industrial Standard specifies the solar reflective glass ⁽¹⁾ to be used mainly for buildings.

Note ⁽¹⁾ The solar reflective glass specified in this Standard means the glass of which one surface is coated with a solar reflective film for the main purpose of shading solar radiation heat.

The glass to which the reflective synthetic resin films have been adhered is excluded.

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

JIS B 7502 *Micrometer callipers*

JIS B 7512 *Steel tape measures*

JIS B 7516 *Metal rules*

JIS R 3106 *Testing method on transmittance, reflectance and emittance of flat glasses and evaluation of solar heat gain coefficient*

JIS R 3107 *Evaluation on thermal resistance of flat glasses and thermal transmittance of glazing*

JIS R 3202 *Float glass and polished plate glass*

JIS R 3206 *Tempered glass*

JIS R 3208 *Heat absorbing glass*

JIS R 3212 *Test method of safety glazing materials for road vehicles*

JIS R 3222 *Heat-strengthened glass*

3 Classification

3.1 Division according to shading performances for solar radiation heat The classification of the solar reflective glasses according to shading performances for solar radiation heat shall be as given in table 1 based on the test results of specified in 7.3.2.

Table 1 Division according to shading performances for solar radiation heat

Classification	Solar heat gain coefficient η	(Informative) Removal rate of solar radiation heat $1 - \eta$
Class 1	0.70 max.	0.30 min.
Class 2	0.55 max.	0.45 min.
Class 3	0.40 max.	0.60 min.