JIS

JAPANESE INDUSTRIAL STANDARD

Translated and Published by
Japanese Standards Association

JIS R 3208 : 1998

Heat absorbing glass

ICS 81.040.20

Descriptors : glass, heat-resistant materials, radiative heat transfer, absorption (waves), sheet materials, materials by form

Reference number : **JIS R 3208 : 1998 (E)**

Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of International Trade and Industry through deliberations at Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law. Consequently, **JIS R 3208** : 1987 is replaced with **JIS R 3208** : 1998.

Date of Establishment: 1962-01-01

Date of Revision: 1998-08-20

Date of Public Notice in Official Gazette: 1998-08-20

Investigated by: Japanese Industrial Standards Committee
Divisional Council on Ceramics

JIS R 3208:1998, First English edition published in 1999-10

Translated and published by: Japanese Standards Association
4-1-24, Akasaka, Minato-ku, Tokyo, 107-8440 JAPAN

In the event of any doubts arising as to the contents, the original JIS is to be the final authority.

Printed in Japan

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Heat absorbing glass

1 Scope This Japanese Industrial Standard specifies the heat absorbing glasses used mainly for buildings and others. However, this Standard shall not apply to the heat absorbing glass used for automobiles.

2 Normative reference The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. The latest editions of them apply:

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 3204 *Wired glasses*

3 Classification

3.1 Classes by sheet or plate glass type Classes by sheet or plate glass type shall be as follows:

a) Heat absorbing float plate glass and heat absorbing polished plate glass

b) Heat absorbing net-embedded plate glass and heat absorbing wired plate glass

Heat absorbing net-embedded polished plate glass

Heat absorbing wire-embedded polished plate glass

Heat absorbing wired figured glass

3.2 Classes by thickness Classes by thickness shall be as follows:

a) Heat absorbing float plate glass and heat absorbing polished plate glass

3 mm

5 mm

6 mm

8 mm

10 mm

12 mm

15 mm

b) Heat absorbing net-embedded plate glass and heat absorbing wired plate glass

6.8 mm

3.3 Class by performance The performance of heat absorbing glass shall be expressed by solar heat gain coefficient and its classes shall be as given in Table 1 according to the converted value η_5 to standard thickness of 5 mm obtained in accordance with **6.1** (hereafter referred to as "5 mm solar heat gain coefficient").