

JIS

JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS A 5758 : 2016

(JSIA/JSA)

**Sealants for sealing and glazing in
buildings**

ICS 91.100.50

Reference number : JIS A 5758 : 2016 (E)

PROTECTED BY COPYRIGHT

12 S

A 5758 : 2016

Date of Establishment: 1979-07-01

Date of Revision: 2016-12-20

Date of Public Notice in Official Gazette: 2016-12-20

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

JIS A 5758 : 2016, First English edition published in 2017-03

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

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

© JSA 2017

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

Printed in Japan

HT/HN

PROTECTED BY COPYRIGHT

Contents

	Page
Introduction	1
1 Scope	1
2 Normative references	1
3 Terms and definitions	2
4 Classification	3
4.1 Classification by type and class	3
4.2 Classification by principal component, form of product, and durability	5
5 Properties	6
5.1 Type G sealants	6
5.2 Type F sealants	6
6 Tests	9
6.1 General	9
6.2 Slump	9
6.3 Elastic recovery	9
6.4 Tensile properties	10
6.5 Adhesion/cohesion properties at maintained extension	10
6.6 Adhesion/cohesion properties after compression heating/tension cooling	10
6.7 Adhesion/cohesion properties after repetition of extension/compression	11
6.8 Adhesion/cohesion properties after exposure to artificial light through glass at high temperature and in wet environment	11
6.9 Adhesion/cohesion properties at maintained extension after water immersion	12
6.10 Adhesion/cohesion properties after water immersion	12
6.11 Loss of volume	12
6.12 Durability	12
7 Designation of products	13
8 Inspection	13
9 Marking	14
Annex JA (informative) Comparison table between JIS and corresponding International Standard	15
Annex JB (informative) Comparison table between previous and current editions of this Standard on technically significant revisions	17

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 Japan Sealant Industry Association (JSIA)/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 A 5758:2010** is replaced with this Standard.

However, **JIS A 5758: 2010** may be applied in the **JIS** mark certification based on the relevant provisions of Article 19 Clause 1, etc. of the Industrial Standardization Law until June 19, 2017.

This **JIS** document is protected by the Copyright Law.

Attention is drawn to the possibility that some parts of this Standard may conflict with patent rights, applications for a patent after opening to the public or utility model rights. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying any of such patent rights, applications for a patent after opening to the public or utility model rights.

Sealants for sealing and glazing in buildings

Introduction

This Japanese Industrial Standard has been prepared based on the second edition of **ISO 11600** published in 2002 and Amendment 1 published in 2011, with some technical modifications to reflect the actual use in Japan. The contents of Amendment 1 has been incorporated into this Standard.

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.

A comparison table between the previous and the current editions of this Standard on technically significant revisions is given in Annex JB.

1 Scope

This Standard specifies sealants for buildings (hereafter referred to as sealants), which are applied in an unformed state to the joints of building components such as metal, concrete or glass and which, after curing, ensure water tightness and air tightness by adhering to the building members.

NOTE : The International Standard corresponding to this Standard are as follows.

ISO 11600 : 2002 *Building construction — Jointing products — Classification and requirements for sealants* and Amendment 1 : 2011 (MOD)

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standards 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 A 1439 *Testing methods of sealants for sealing and glazing in buildings*

NOTE : Corresponding International Standards : ISO 7389 : 2002 *Building construction — Jointing products — Determination of elastic recovery of sealants*, ISO 7390 : 2002 *Building construction — Jointing products — Determination of resistance to flow of sealants*, ISO 8339 : 2005 *Building construction — Sealants — Determination of tensile properties (Extension to break)*, ISO 8340 : 2005 *Building construction — Sealants — Determination of tensile properties at maintained extension*, ISO 9046 : 2002 *Building construction — Jointing products — Determination of adhesion/cohesion properties of sealants at constant temperature*, ISO