Tremco® JS 562

Insulating Glass Sealant, Two Part Silicone

Product Description

Tremco JS 562 Silicone Insulating Glass Sealant is a two-part, high modulus, silicone sealant.

Basic Uses

JS 562 is intended to be used as a secondary silicone sealant in a dual-sealed insulating glass unit. The primary seal typically being polyisobutylene mastic or product capable of providing the required vapor seal for the insulating glass unit.

Equipment Consideration

The JS 562 base material utilizes similar dispensing equipment as other two-part sealants. Curing agent hoses must be a type to reduce MVT through the walls of the delivery hoses.

Availability

Immediately available from your local Tremco Sales Representative, Tremco Distributor or Tremco Warehouse.

Packaging

The JS 562 base material is available in 55-gal (208-L) straight wall drums with polyethylene liner for easy disposal; the curing agent is packaged in a 5-gal (18.9-L) container.

Limitations

Must confirm compatibility with glazing components and other building materials which may make contact with the edge seal.

Continuous water immersion.

In contact or exposed to sealants that liberate acetic acid.

Substrate Preparation

Glass - To obtain proper adhesion, the surfaces must be thoroughly cleaned with mild non-sudsing, non-film forming detergent and flushed with clean hot water to remove all traces of detergent. Glass surface must be dry and free of any contaminants or fingerprints.

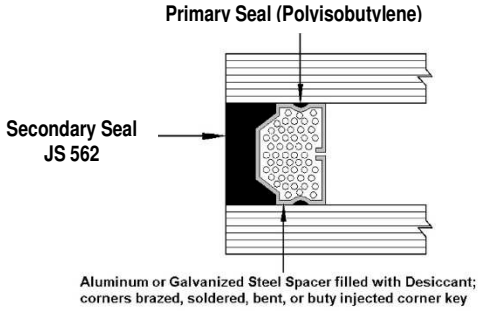
Metal - To obtain proper adhesion, metal spacer must be free of any mill oils, oxidation or other contaminates.

Application

Insulating glass units intended for conventional dry glazing or residential window applications should be designed with the secondary sealant dimensions in accordance with the "Sealant Manufacturers Minimum Sealant Dimensions and Placement Survey," TB-1201-89(91) distributed by the Insulating Glass Manufacturers Association (IGMA). For information on IGMA's recommendation for glazing, write; IGMA, 2319 St. Laurent Blvd., Unit 500, Ottawa, Ontario K1G 4J8 (Canada). For recommendations on specific glazing designs or glazing compounds, contact your local Tremco Representative.

Insulating glass units intended for structural silicone glazing applications should follow secondary seal design depths as determined by ASTM C 1249 - Standard Guide for Secondary Seal for Sealed Insulating Glass Units for Structural Sealant Glazing Applications.

It is recommended that adhesion and compatibility testing be performed prior to sealant use. If requested, Tremco may provide assistance in performing adhesion testing to coated glass or spacer surfaces before using JS 562 in production quantities.



Clean Up

Equipment and tools should be cleaned immediately after use with aromatics, such as Toluene or Xylene. See the equipment manufacturer's recommendations for specific application and use of cleaning systems; i.e., purgeless and base or solvent purge.

Warranty

Tremco warrants its Products to be free of defects in material but makes no warranty as to appearance or color. Since methods of application and on-site conditions are beyond our control and can affect performance, Tremco makes no other warranty, expressed or implied, including warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE, with respect to Tremco Products. Tremco's sole obligation shall be, at its option, to replace or refund the purchase price of the quantity of Tremco Products proven to be defective, and Tremco shall not be liable for any loss or damage.

Please refer to our website at www.tremcosealants.com for the most up-to-date Product Data Sheets.

NOTE: All Tremco Safety Data Sheets (SDS) are in alignment with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) requirements.

TYPICAL PHYSICAL PROPERTIES

JS 562 Insulating Glass Sealant- Two Part Silicone
Mix ratio 12:1 by volume, 11.6 to 1 by weight

PROPERTY	TEST METHOD	TYPICAL VALUES
Specific Gravity- Base (Color White)	Gravimetric	1.32
Curative (Color Black)	Gravimetric	1.36
Weight per gal (lb/gal) Base		11.0 lb/gal
Weight per gal (lb/gal) Curative		11.3 lb/gal
Sag (slump)	ASTM C639	Nil
Snap Time 12:1 ratio	Tremco 521-3	35 to45
Durometer, Shore A (24 hr cure)	ASTM C661	35 to 40
(7 day cure)		40 to 45
Ultimate Tensile Stress (psi)	ASTM D412	250 psi
	ASTM C1135	165 psi
100% Modulus- Tensile Strength (%)	ASTM D412	110 psi
	ASTM C1135	110 psi
Ultimate Elongation	ASTM D412	350%
	ASTM C1135	200%

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