

# JS680

## BUTYL INNER SEALANT

**TREMCO**  
Lasting Performance



### ADVANTAGES

- Flexible at low temperatures
- High ultraviolet resistance
- Very good adhesion to glass, aluminium, galvanized steel, stainless steel and Warm Edge spacers
- No fogging
- Very low moisture and gas permeability
- Very easy to use

### PRODUCT INFORMATION

#### Description

JS680 is a one-component polyisobutylene-based product, specially developed for the manufacturing of IG units.

#### Area of use

JS680 is specially formulated to provide a barrier to moisture and gas (inner barrier) in the design of insulating glasses.

JS680 is not suited for the conception of IG units with flexible spacers.

#### Packaging

- 1 kg, 2.4 kg and 7 kg cylinders
- 190 kg drums
- Pre-extruded strip of different diameters

#### Storage

In dry conditions between +5°C and +25°C.

#### Shelf life

In original unopened packaging:  
24 months

#### Implementation

- JS680 can be applied with extrusion machines that are commonly used in the insulating glass industry at a temperature of +110°C to +130°C depending on the desired pressure and extrusion speed.
- Wearing gloves is recommended while handling frames to prevent any fatty materials from being deposited on the surfaces, since this could weaken adherence and even create fogging.
- Apply a regular and continuous strip following a minimum pre-established thickness.
- Compression must ensure regular and sufficient deformation of the JS680 strip.
- Pay particular attention to the continuity of the JS680 strip in the corners.

#### Safety precautions

The Technical and Safety Data Sheets must be read and understood before use.

#### Caution

The compatibility of JS680 is warranted with TREMCO IG sealants. It has to be checked for any other sealant.

#### Compliance and Approvals

- JS680 is registered in the CEKAL data base.
- JS680 is part of IG units that comply with EN 1279-2 and 1279-3.
- The product is characterized following the EN 1279-4 et EN 1279-6.
- The check of compliance from LRCCP (laboratory designated by the organization CEKAL) shows the means implemented by tremco illbruck to maintain the conformity of our product to the data mentioned in our technical data sheets.

#### Service

Our team of technicians remains at your disposal for any further information.

### Note

The information in this document is provided for informational purposes and are non-binding. Technical data are not expressly warranted characteristics of the goods.

Because the variety of material used, the variety of application processes and the variety of conditions of use are beyond our control, preliminary tests are strongly recommended before any order.

The information and illustrations being reproduced on this document are based on features in progress and on our experience at the time of May 2015. The manufacturer reserves the right of modifying the technical characteristics of its products at any time.

The warranty policy of these products is exclusively governed by our general terms and conditions of sales.

tremco illbruck can not be held liable based on the general information given by this document.

### TECHNICAL DATA

CHARACTERISTICS	STANDARDS	VALUES
Type		Polyisobutylene
Color		Black
Density <sup>1)</sup> *	ISO 1183	1.15
Needle penetration value <sup>1)</sup>	NF-P85-513	50 ± 5 1/10 <sup>e</sup> mm
Volatile content*	EN 1279 - 6G	0.08%
Moisture vapor transmission rate	EN 1279 - 4C	< 0.1 g/( m <sup>2</sup> .24h, 2mm)
Argon gas permeability	EN 1279 - 4C	< 0.001 g/( m <sup>2</sup> .24h, 2mm)
Extrusion temperature		+110°C to + 130°C

<sup>1)</sup> At 23°C, 50% relative humidity

\* Typical values

