

JS443

MERCURY-FREE PU SECONDARY SEALANT

TREMCO
Lasting Performance



KEY BENEFITS SUMMARY

- Very high performances
- Mechanical resistance leading to a minimized I Index and gas loss rate of IG
- Long open time combined with fast curing time
- Rheological behaviour machine friendly
- Part B is non abrasive
- Mercury-free and solvent-free
- Eases the waste treatment
- Contributes to the preservation of our environment

PRODUCT INFORMATION

Description

JS443 is a high performance, two-component, mercury-free polyurethane secondary sealant (Part B Liquid or Paste-High Viscosity). It is solvent-free and highly thixotropic. It adheres to glass, aluminium, galvanized steel, Warm Edge spacer bars.

Areas of use

JS443 has been specially designed for the manufacturing of IG units. It is used together with PIB primary sealant such as JS680, JS780 S or JS880. JS443 complies with the strictest requirements of the various international standards.

Packaging

- Part A: 200 L drum
- Part B: 20 L pail or 200 L drum

Storage

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

Shelf life

- Part A in original unopened packaging: 6 months
- Part B in original unopened packaging: 6 months

Implementation

- Before use, the pails of liquid part B should be rolled or agitated mechanically in order to avoid segregation.
- JS443 is compatible with all types of manual and robotic dispensing equipment currently available.
- For Part B, we recommend using a circuit lined with PTFE to minimize water vapor penetration.
- After Application, there should be no air entrapped between JS443 and the primary sealant.
- Make sure there are no air bubbles in the corners.
- JS443, after mixing, must be homogeneous.
- Glass must be perfectly clean, with no traces of detergent or any other pollution.

- Spacers must be clean, dry and free from any other matter.

Cleaning

- For the cleaning, refer to the recommendations of the machinery manufacturer.

Compliance and Approvals

- Insulating glass units designed and manufactured in line with standard practice using JS443 meet the quality criteria of the main European standards and certifications.
- JS443 is part of IG units that comply with EN 1279-2 and 1279-3.
- The product is characterized according to EN 1279-4 and EN 1279-6.

Safety precautions

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

Service

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

TECHNICAL DATA

CHARACTERISTICS	STANDARDS	VALUES		
		MIXED PRODUCT		
Colour		Dark anthracite		
Mixing ratio	by volume	100:10 +/- 10%		
Working time		> 20 min		
Open time		15 min		
Shore A Hardness ¹⁾	EN1279-6 E	> 40		
MVTR	EN1279-4 C	2.5 g/(m ² .24h.2mm)		
Gas permeability	EN1279-4 C	0.025 g/(m ² .24h.2mm)		
Volatile content	EN1279-6 G	0.15%		
Fogging	EN1279-6 C	None		
Tensile strength	EN ISO 8339	> 0.8 Mpa		
		PART A	PART B	
		Base	Standard (Liquid)	HV (High Viscosity)
Colour		Off-white	Black	Black
Viscosity ¹⁾	Brookfield	450-800 Pa.s	< 1 Pa.s	90-200 Pa.s
Mixing ratio	By weight	100:	6.4 +/- 10%	6.6 +/- 10%

1) The values are valid at 23°C, 50% relative humidity at normal ratio

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 April 2017.

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.

