



TREMCO JS443

Mercury-Free PU Secondary Sealant

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, aluminum, galvanized steel, Warm Edge spacer bars.

BASIC USES

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.

FEATURES & BENEFITS

- Very high performances
- Mechanical resistance leading to a minimised 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

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

6 months when stored in accordance with storage instructions.

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 minimise water vapour 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 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 certification.

SAFETY PRECAUTIONS

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

WARRANTY

Tremco warrants its Products to be free of defects in materials but makes no warranty as to appearance or colour. 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 to 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.

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*	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*	Brookfield	450-800 Pa.s	<1 Pa.s	90-200 Pa.s
Mixing Ratio	By Weight	100:	6.4 +/- 10%	6.6 +/- 10%

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