



TECHNICAL DATA SHEET

EnerSEAL® 332

Hot Melt Butyl IG Perimeter
Sealant

PRODUCT DESCRIPTION

EnerSEAL® 332 is a butyl-based hot melt sealant, especially formulated for single and double barriers for insulating glass.

BASIC USES

EnerSEAL 332 has an excellent adhesion to glass, common foam spacer moisture barrier films, aluminum, and galvanized steel spacers.

FEATURES & BENEFITS

- Fast setting for immediate handling and timely glazing of insulation glass units
- Very low vapor permeability for long life and extended fill-gas retention
- Excellent adhesion to glass aluminum, galvanized steel, and common foam spacer moisture barrier films
- Single component, no mixing required
- User friendly
- No waste upon application
- Solvent free
- Suitable with both manual gunning and automatic application technologies
- Neat corner manufacturing

AVAILABILITY

Conforms to ASTM E2190 and CGSB 12.8.

PACKAGING

48-gal (182-L) drums

COLORS

Black

SHELF LIFE

18 months

LIMITATIONS

- Be sure that units fabricated with EnerSEAL 332 are glazed in accordance with industry glazing guidelines such as IGMA's TM-3000
- Never apply to wet or contaminated surfaces - glass and spacer bonding surfaces should be cleaned and dry prior to sealant application.
- Never dispense and apply in confined areas, without adequate ventilation.

- Always use in application fill depths sufficient for customer's intended performance life-in no cases should design fill depth be <3/16" nominal.
- Coated glass may require edge deletion, so consult your glass supplier for their recommendations.

AVAILABILITY

Conforms to ASTM E2190 and CGSB 12.8.

APPLICATION

EnerSEAL 332 can be processed on any standard HOT MELT extrusion machine currently used in the insulating glass industry. The product must be applied on a clean and dry substrate. The product must be completely fill the sealing gap down to the spacer bar (no air pockets). Care should be taken on sealing each corner and sealant should be pressed together while still molten by means of a ENAPAD2 502 troweling pad, to prevent any gaps or holes in sealant at corners, which can lead to premature unit failure. In case of a single seal IG unit glass/spacer bar assembly must be tightly maintained (clips, clamping table) during EnerSEAL 332 application. The minimum thickness required of the sealant joint is > 4.76 mm. Recommended extrusion temperature: + 374 °F (175 °C) to + 365 °F (185 °C). It is important that sealant is applied within recommended temperature range, so it is advisable that application temperature be checked daily with a digital thermometer at gun nozzle while gunning sealant.

WARRANTY

A repair or replacement warranty is available on all Tremco products. Visit <https://www.tremcosealants.com/warranties/> for details.

TYPICAL PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	TYPICAL RESULTS
Specific Gravity	ISO 1183	1.23
Volatile Content	EN 1279-6 G	< 0.2%
Moisture Vapor Transmission	EN 1279-4 G	< 0.1 g/M ² * 24 hr (2 mm)
Application Temperature		+347 °F (175 °C) to +365 °F (185 °C)
Shelf Life & Storage		18 months in its closed packaging, at temperatures between 5 °C and 25 °C, protect from weathering
Tensile Strength	ASTM D412	50 psi
Lap Shear	ASTM C961	120 kPa, Cohesive failure
Adhesion	ASTM C794, glass substrate, steel shim (not wire mesh)	20 lbf, Cohesive failure

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.

ES322DS/0426

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