



Description

Duralite™ is an insulating glass edge seal system constructed using a unique Composite Laminating Technology. Duralite is preassembled with proven components, sealant, spacer and desiccant to create a high-performance durable spacer system.

Basic Use

For use in high-volume production of dual and triple pane insulating glass units in a one-step process where units are sealed using heat and compression. Designed as a single seal system, Duralite can also be used with a secondary sealant to create a dual seal unit.

Key Features Summary

- Lowest conductivity warm edge spacer
- Improved condensation resistance
- Easier to meet ENERGYSTAR® requirements
- Warmer edge of glass temperature
- Superior argon gas retention
- Suitable for fully automated application
- Proven adhesive technology
- Composite Laminating Technology
- Smooth surface appearance
- Minimal compression required
- Unique patented design

Certification Standards

- EN-1279:2002 Parts 2, 3, 4, Part 6 B & C
- ASTM E2190
- ASTM E774 level CBA
- CGSB 12.8-97
- GOST 24866-99

Colors

Duralite is available in gray and black.

Packaging

Returnable/recyclable spools available in disposable packaging.

Sizes

Airspaces of 1/4" (6mm) to 13/16" (21mm) in increments of .021" (.05cm)

Technical Performance

Moisture Vapor Transmission Rate:	0.09 g H ₂ O/m ² per 24 hrs. (ASTM F1249)
Volatile Fogging:	None. Meets ASTM E2189 and CGSB 12.8
Argon Permeance:	6-8 c.c./100 in. ² per 24 hrs. (ASTM D1434)
Bondline Adhesive UV Resistance:	Excellent
Dew Point Development:	-20° F (-29° C) in 48 hrs. (ASTM E546)
Tensile Strength:	50 psi (TST-389C)
Thermal Conductance:	
Kiln:	0.080 W/m ² C based on 1/2" (13mm) spacer
ψ (psi per EN ISO 10077):	30% lower than the next warmest spacer

Note: The foregoing information is published as general information only. The listed properties and performance characteristics are approximate value and are not part of the product specification.



Storage Conditions

- Store in original airtight container.
- Expose to air only during application.
- Procedures for opening and resealing Duralite containers should be followed as outlined in Technical Bulletin IG019 available on Truseal's Web site.

Shelf Life

One year in unopened containers at storage conditions below 77° F (25° C). Surface imprinted with manufacture date.

Glazing Compatibility and Design Recommendation

In general, materials such as hot-applied sealants, silicones, glazing tapes and solvent acrylics are compatible. However, it is recommended that glazing materials be tested for compatibility. Fabricated units shall be glazed in accordance with GANA (Glass Association of North America) and IGMA (Insulating Glass Manufacturers Alliance) recommendations. Please check with your Truseal representative for specific glazing recommendations.

Health & Safety

For all Truseal products, and for other products used in conjunction with Truseal products, users must follow individual product labels and Material Safety Data Sheets for warnings and precautions prior to opening containers and during use and storage. Non-hazardous under normal use for handling and waste disposal.

Availability/Cost

Availability and cost can be obtained from your local Truseal Representative or by calling our Customer Service Center. For more information call Truseal: in the U.S. 888-910-5280; in Canada 888-794-4453.

Technical Services

The Truseal Technical Services Department offers a unique problem-solving capability. This includes assistance through the development and specification stage as well as offering on-site application instruction and inspection when requested. (Services may be provided by Truseal employees or its agents depending on your geographic area.) Their services are fully supported by the Truseal Research & Development Center, which has earned a unique reputation in sealant technology.



Truseal warm-edge IG spacer systems are used by our Customers to assemble ENERGY STAR® qualified windows and doors.



ISO 9001:2000, file number A5959

Duralite™ is a registered trademark of Truseal Technologies, Inc.

Truseal recommends you visit our Web site and register to ensure you have the most current updates to this data and all other Truseal sales and technical materials.

