

Microseal DS is a proven 100% solids extrusion of a quality thermoplastic compound. Microseal DS can be dual sealed with a wide variety of secondary sealants. For an approved list of sealants see Quanex Technical Bulletin IG011 available at www.Quanex.com.

Basic Use

The inherent flexibility and versatility of Microseal DS offers insulating glass manufacturers a wide variety of applications including bent glass for both architectural use and product display cases.

Colors

Microseal DS is available in black.

Sizes

Available in a wide range of sizes. Custom sizes available upon request.

- Inches: 1/4" to 3/4" in increments of 1/16"
- Millimeters: 6.3 mm to 19.1 mm

Packaging

Black: Flat disks and spools available in disposable packaging.

Shelf Life

One year in unopened containers at storage conditions below 77° F (25° C).

Technical Services

Your Quanex Building Products Representative, in conjunction with your Quanex Building Products Technical Service Group, can provide in-plant training and assistance with special applications.

Availability/Cost

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

Performance	Norm
Moisture Vapor Transmission Rate 0.09 g H ₂ O per square meter per 24 hrs. for a .060" (1.5 mm) film at 100° F (38° C).	ASTM F 1249
Volatile Fogging None	ASTM E 1887
Argon Permeance 6-8 c.c./100 in. ² per 24 hrs. per atmosphere as measured on a .040" (1.02 mm) film at 77° F (25° C).	ASTM D 1434
Resistance of Compression of Self-Contained Aluminum Spacer 8 mils thickness, > 1,900 pounds per linear foot, when compressed at rate of 2 inches (50 mm) per minute.	
<small>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.</small>	

Glazing Compatibility and Design Recommendations

In general, materials such as hot-applied sealants, silicones, glazing tapes and solvent acrylics are compatible. Refer to Technical Bulletin SG003 at www.Quanex.com for a list of approved glazing materials or inquire about compatibility testing. 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 Quanex Representative for specific glazing recommendations.

Storage Conditions

Store in original airtight container. Expose to air only during application. Procedures for opening and resealing Microseal DS containers should be followed as outlined in Technical Bulletin IG019 available at www.Quanex.com.

Health & Safety

For all Quanex products, and for other product used in conjunction with Quanex 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.

Environmental Conditions

Non-hazardous under normal use for handling and waste disposal. Spools are both recyclable and/or returnable.

Warranty

See Truseal warranty certificate.

Microseal® DS is a registered trademark of Truseal Technologies, Inc.

Quanex recommends you visit www.Quanex.com and register to ensure you have the most current updates to this data and all other Quanex sales and technical materials.

Key Features Summary

- Combines excellent desiccating power and moisture resistance.
- Flexible for a wide variety of applications
- Improved production speed, efficiency, simplicity, and cost effectiveness for IG unit manufacturers
- Very low moisture vapor transmission rate
- Thermally broken edge seal system: 4 times more efficient than aluminum spacer bars
- Reduced edge stress: flexible seal with excellent adhesion
- Very low argon permeability. Easy to create excellent seal after gas filling
- Accommodates thermal movement



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



ISO 9001:2008,
Certificate Registration 10001512 QM08