

Edgetherm JS780 PIB is a 100% solids sealant based on polyisobutylene polymer formulated to impart reinforcement, resist degradation from ultraviolet light, and provide low moisture permeability.

Basic Use

Used as the primary seal on insulating glass units while providing the main moisture vapor seal between the glass and spacer. JS-780 must be used with a secondary seal designed to provide structural strength.

Colors

JS780 is available in black and gray. Consult Quanex Customer Service for color availability by package type.

Packaging & Sizes

JS-780 is available in pre-extruded strands for applying to spacer bars and in bulk (slug form) for application by various type extruders.

- Pre-extruded Strands: 1/8", 3/32", 1/16" diameter
- Slugs: 7.5" D x 9.5" H (15 lb/7kg)
4.5" D x 7" H (4 lb/2kg)
9.5" D x 10.5" H (27 lb/12kg)
- Drums: Steel 55 gallon

Shelf Life

Two years from date of manufacture.

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 0.13/m ² /d, 0.060" film, 100° F, 100% RH	ASTM F 1249
Volatile Fogging passes	ASTM E 2189 CAN/CGSB 12.8
Low Temperature Flexibility Passes - 40° F, 1/2" mandrel	ASTM D 3111
Weight per Gallon (Specific Gravity) Black: 8.75 lb/U.S. gal (1.05 g/cc) Gray: 9.67 lb/U.S. gal (1.16 g/cc)	
Tensile Adhesion Strength 40-50 psi	TST 680B
Argon Permeance & Permeability 3 cc/100 in. ² /d, 0.31" film 120 cc mil/100 in. ² /d	ASTM D 1434
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.	

Glazing Compatibility and Design Recommendations

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 Quanex Representative for specific glazing recommendations.

Storage Conditions

Store in original package, indoors, away from rain and out of standing water.

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.

Warranty

See Truseal warranty certificate.

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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

- JS-780 has excellent adhesion to glass and metal through a wide temperature range
- JS-780 features an extremely low moisture vapor transmission rate
- Extremely low argon permeance
- Non-fogging (100% solids)
- Consistent quality
- Retains flexibility through a wide temperature range to compensate for thermal movement of the insulating glass unit
- JS-780 resists degradation from ultraviolet light and oxidation
- Available in both black and gray

Applicable Standards

Units pass the highest level of ASTM 2190 (American Society for Testing and Materials) and CAN/CGSB-12.8 (Canadian General Standards Board).



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