



## EDGE SEALANTS

# EdgeStik™

**5197G**  
HOT MELT BUTYL  
EDGE SEALANT

**PRODUCT** ■ EdgeStik™ 5197G is a hot melt butyl insulating glass primary sealant.

**PRODUCT DESCRIPTION** ■ EdgeStik 5197G is a one-component 100% solids sealant system specifically developed for edge sealing insulating glass units. EdgeStik 5197G exhibits the best properties of hot melt butyl systems—no mixing, minimal waste, fast setting, quick handling of finished insulating glass units, and outstanding adhesion to glass and metal substrates typically used in insulating glass fabrication.



**BASIC USES** ■ EdgeStik 5197G is ideally suited for in-house sealing of insulating glass units for residential windows, where glazing material and practices are easily controlled. For larger commercial, architectural, door units, or where glazing practices are not easily controlled by the insulating glass manufacturer, the superior strength and glazing compatibility of EdgeStik 3190 series of polyurethane is preferred.

### APPLICATION PROPERTIES

Color:	Gray
Specific Gravity:	1.18
Weight per Gallon:	9.82
Melt Flow Index:	100-150
Sag Channel at 375°F (191°C):	nil
Shelf Life at 70°F (21°C):	24 months
Application Temperature Range:	
Hand Extruders	375-400°F
Lineal Extruders	220-240°F

### PERFORMANCE PROPERTIES

Shore A Hardness RT:	48-55
Volatile Content:	nil
Water Vapor Transmission (ASTM E96-80, Proc. E)	
Permeance (.020 cm thickness):	0.01 gms/m <sup>2</sup> -24 hr. mm Hg
Adhesion to	
Anodized aluminum	100% CF > 40 PIW
Mill finish aluminum	100% CF > 40 PIW
Galvanized steel	100% CF > 40 PIW
Tin-plated steel	100% CF > 40 PIW
Glass	100% CF > 40 PIW
Corner keys, metal	100% CF > 40 PIW
Corner keys, plastic	100% CF > 40 PIW
Seal Durability, Accelerated Weathering (ASTM E774-81, Method E773-81):	single and dual seal configuration
Frost-Point, initial	pass < -90°F
Level "CBA"	pass < -90°F
Fog Test	pass
Static Load at 160°F (71°C):	pass 24 hours

### APPLICATION LIMITATIONS

EdgeStik 5197G is not to be utilized in window units that will be either two-sided or four-sided structurally glazed.

EdgeStik 5197G should not be applied to "soft" coat, low Emissivity surfaces unless recommended by the prime glass manufacturer.

EdgeStik 5197G should not be utilized in sloped glazing applications until Bostik's Technical Services Department is contacted for recommendations.



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**APPLICABLE STANDARDS** ■ EdgeStik 5197G meets or exceeds the requirements of the following specifications:

ASTM E774-81	U.S.
CAN 2-12.8-M76	Canada

**PACKAGING** ■ EdgeStik 5197G is available in the following standard packages:

<i>package</i>	<i>net volume</i>	<i>type</i>
55 gallon drum	47.5 gallon	steel & fiber
5 gallon pail	4.0 gallon	steel

**SURFACE PREPARATION**

**Glass**

Glass surfaces must be thoroughly cleaned by machine or hand with non-sudsing, non-film foaming detergent and thoroughly rinsed with clean hot water. Glass must be fully dry and free from any contaminants or fingerprints.

It is important to realize that in some cases, glass may visually appear clean, and yet still have contaminants or foreign materials on the surface. These contaminants can interfere with the bonding of all insulating glass sealants, thereby resulting in reduction of the service life of the insulating glass unit.

In particular, the use of deionization or water softening equipment for glass washers is endorsed in geographical areas with above average water hardness. Please consult prime glass manufacturer for proper cleaning recommendations for glass.

**Spacer and Corner Keys**

Although EdgeStik 5197G has the ability to adhere through many surface contaminants, to ensure immediate and excellent adhesion, metal spacer must be thoroughly degreased and free from all mill oils and any other contamination or loose oxidation. Mill finish and (non-anodized) aluminum will slowly develop such corrosion if stored too long. It can be removed by abrading or by a warm 5% sodium hydroxide dip, followed by a thorough rinsing in cold water. All corner keys must be free and clear of oils, greases or other contaminants. Plastic corner keys must be free of any contaminants or mold releases.

**APPLICATION EQUIPMENT** ■ Standard hot melt butyl 55 gallon drum and 5 gallon pail extrusion equipment has been successful in applying EdgeStik 5197G. Follow equipment manufacturer's instructions for proper use, adjustments, and maintenance requirements.

**APPLICATION TECHNIQUES** ■ Apply EdgeStik 5197G to glass-spacer-glass void. The hot melt butyl may be applied to stacked window units when care is taken to ensure a complete fill. Should any skips or voids be present, EdgeStik 5197G may be reshaped using a hot knife or the heated nozzle of the application gun. Once EdgeStik 5197G has cooled to room temperature, excess sealant may be removed using a hot knife. Excess sealant that has been trimmed should not be reused.

**GLAZING** ■ All glazing recommendations of Insulating Glass Manufacturers Association (IGMA) should be followed. Contact between EdgeStik 5197G edge seal and any solvent or oil containing glazing compound should be avoided. For recommendations on specific glazing designs or use of glazing compounds, contact Bostik Technical Service Department.

**CLEAN UP** ■ Equipment and tools should be worked with ketone or aromatic (toluene or xylene) solvents immediately after use. Provide adequate ventilation and avoid any sources of ignition when using flammable solvents.

**HEALTH AND SAFETY PRECAUTIONS** ■

EdgeStik 5197G at typical application and use temperatures will cause thermal burns of skin and eyes. In case of contact, immediately cool burn area with cold packs and cold water. Do not attempt to remove material from skin. Immediately consult a physician. Complete material safety data sheet on this product is available from Bostik.

**SHELF LIFE** ■ When stored at or below 80°F (27°C), EdgeStik 5197G sealant has a shelf life of 24 months from the date of manufacturing.

**IMPORTANT NOTICE** • The information given and recommendations made herein are based on Bostik's research only and are not guaranteed to be accurate. The performance of the product, its shelf life, and application characteristics will depend on many variables, including the kind of materials to which the product will be applied, the environment in which the product is stored or applied, and equipment used for application. Any change in any of these variables can affect the product's performance. Buyers are advised to make their own tests to determine whether the product is suitable for their purposes under their own operating conditions. Bostik accepts no responsibility for the performance of the product for any particular customer or any particular use. Bostik does not warrant the product's suitability for any particular application. The product is sold only pursuant to Bostik's terms and conditions of sale and only subject to the limited warranty contained therein. **Bostik sells the product without warranty as to merchantability and fitness for a particular purpose, any warranty from course of dealing or usage of trade, or any other warranty, expressed or implied, and buyers and users assume all responsibility and liability for loss or damage arising from the handling and use of bostik's products.** Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent. Unless otherwise agreed to in writing, **The buyer's sole remedy for noncompliance with any warranty shall be the replacement of the product or refund of the buyer's purchase price. In no case will bostik be liable for indirect, consequential, incidental, economic or other similar damages.**

**MANUFACTURER**

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