

PRODUCT DESCRIPTION - DATA SHEET

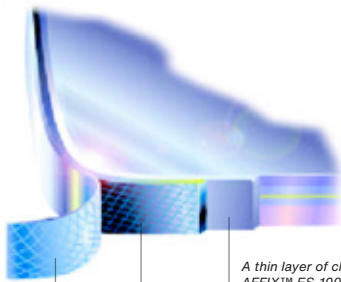
AFFIX™ ES-1000 Edge Seal is designed for use by glass laminators to seal the edges of multi-layer composites made from glass or other glass-like materials. It offers the following benefits:

- Provides a degree of protection to the edge of the glass laminate from chipping or other mild physical damage.
- Prevents moisture penetration between the composite layers.
- Protects against damage due to migration of solvents contained in the caulks used to install the finished glass laminate.
- Creates an aesthetically pleasing appearance on the laminate edge.

AFFIX™ ES-1000 Edge Seal is currently available in a variety of standard widths. Custom-slit widths are also available upon request. Master rolls may be purchased in dimensions of 40-inches (1 m) wide by 120-feet (36.5 m) long.

Property	Test Method	Value
Ultimate Elongation	ASTM D-412	700%
Tensile Strength		5000 psi
Melt Index	ASTM D-1238	5.0g/10 min. @ 177°C
Average Peel [10~(gm/100in ² /day)]	ASTM D-3167	>150 pli

How It Works



A thin layer of clear polyurethane film bonds AFFIX™ ES-1000 edge seal to the glass laminate

A thicker layer of black polyurethane sheet cushions the edge of the glass composite and accepts the embossed pattern of the carrier through the autoclaving process for an aesthetically pleasing appearance

The clear, diamond-pattern-embossed polypropylene carrier may be removed following lamination to the composite edge

Storage and Handling

AFFIX™ ES-1000 requires no special storage or handling. Simply keeping it clean and dry will ensure usable product.

Lamination Information

AFFIX™ ES-1000 requires a minimum lamination temperature of 195°F (90°C).

Installation Instructions

It is advisable to wipe the laminate with isopropyl alcohol prior to applying AFFIX™ ES-1000 to the composite edge in order to remove any contaminants that could interfere with the bond.

This product is designed for use in conjunction with vacuum forming. First, secure it to the edge of the glass laminate/composite by tape. The composite is then inserted into the vacuum bag and autoclaved.

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