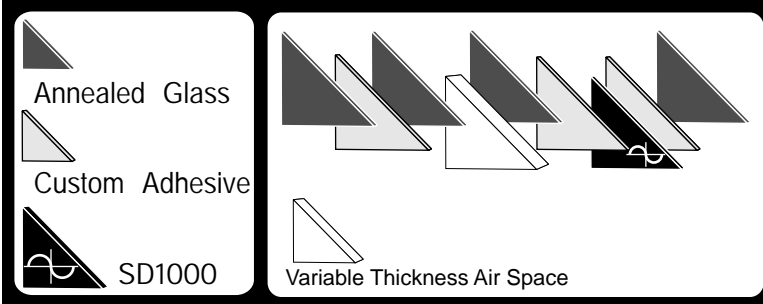




# SMARTGARD - SD1000/0916-A-/ALIG

## RF/IR/UV ATTENUATION LAMINATE

## PRODUCT DETAILS



PRODUCT CLASS	SIGNAL ATTENUATION
RF (30MHz-6+GHz)	>33 dB
IR TRANSMISSION	<3% (800-1500nm)
UV TRANSMISSION	<1%
VLT (400-780nm)	>65%
SHGC / ShadingCO	.47 / .55
SD LAM THICKNESS	.563" (9/16")

## TESTING PROTOCOLS

RF & IR Are Typical Values As Tested By The United States Department of Defense

### DESCRIPTION

The SMARTGARD-SD1000/0916-A/ALIG product provides the HIGHEST levels of RF and IR attenuation, meets and exceeds the requirements of various US Government organizations' specifications for optically clear RF/IR/UV attenuating film/optical coatings, especially with respect to IR, and is listed by DoD as an RF/IR Attenuation film tested to be "beneficial" as Alternative Shielding including TEMPEST Countermeasures.

### GLAZING INFORMATION

The LTI Group strongly suggests the use of a suitable structural security framing with an appropriate protection rating.

A minimum framing engagement of one (1) inch is recommended, (Larger lites may require deeper engagements.)

### SPECIFICATIONS

- Annealed Glass x4 plies
- Clear Custom Adhesive Interlayer x3 plies
- SD1000 Signal Attenuation Film x1 ply
- Variable Thickness Air Space

8 Individual layers make up the SMARTGARD-SD1000/0916-A/ALIG composite product

It is imperative to the life and durability of certain composite types that compatible sealant or gasket material is used on both sides of the laminate. An appropriate sealant solution can be specified by LTI if required.

The LTI Group produces the finest glass and composite laminates in the world, proper care during installation will ensure years of superior performance.

### STANDARDS

- ASTM C 1036-01 For Flat glass
- ASTM C 1172-96 For Laminated Architectural Flat Glass
- ASTM C1349 For Laminate Quality
- ANSI Z97.1.1984(R1975) For Safety Glazing Materials Used In Buildings

### MANUFACTURER INFORMATION

**LTI SMART GLASS, INC.**  
 PITTSFIELD, MA +1.413.637.5001  
  
 LENOX, MASS. +1.413.637.5001

### WARRANTY

Limited Warranty- LTI warrants the SMARTGARD-SD1000/0916-A/ALIG laminate system against plastic delamination for a 3 year period from date of shipment see additional warranty details online at [www.LTISG.com](http://www.LTISG.com).

