



# PRODUCT DATA SHEET

## SMARTGARD SIGNALS DEFENSE SECURITY GLAZING 9/16” Laminated Signals Defense SDI000 Film w/ Heat-Strengthened or Tempered Glass

PRODUCT #: SDI000-0916-HST

### DESCRIPTION:

The SMARTGARD SDI000-0916-HST 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.

### FEATURES:

- Anti-Eavesdropping
- Signal Attenuation
- WLAN Security
- EMI protection
- UV protection

CONSTRUCTION:	PERFORMANCE DATA:
Heat-Strengthened or Tempered Glass	Product Class: Signal Attenuation
Clear Custom Adhesive Interlayer	Laminate Thickness: .563” (9/16”)
SDI000 Signal Attenuation Film	RF Attenuation: >33 dB
Clear Custom Adhesive Interlayer	IR Transmission: <3% (800-1500nm)
Heat-Strengthened or Tempered Glass	UV Transmission: <1%
	<i>RF &amp; IR are typical values as tested by the United States DoD</i>
ADD-ON OPTIONAL FEATURES	VLT (400-780nm): >65%
<ul style="list-style-type: none"> <li>• 3M™ VHB™ Acrylic Foam Tape for Non-Mechanical Adhesion</li> <li>• Self-Adhering Chrome Finish Corner Edge Frame</li> </ul>	Solar Heat Gain C: .47
	Shading C: .55
COMPLIANCES	
<ul style="list-style-type: none"> <li>• ASTM C1036-01 – For Flat Glass</li> <li>• ASTM C1172-96 – For Laminated Architectural Flat Glass</li> </ul>	<ul style="list-style-type: none"> <li>• ASTM C1349 – For Laminate Quality</li> <li>• ANSI Z97.1 -- Safety Materials Used in Buildings</li> </ul>
GLAZING INSTALLATION INFORMATION	
<p>The AIT 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.) 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 AIT if required.</p> <p>The AIT Group produces the finest glass and composite laminates in the world, proper care during installation will ensure years of superior performance.</p>	
WARRANTY	
<p>Limited Warranty- AIT/LTI warranties the laminate system against plastic delamination for a 3-year period from date of shipment see additional warranty details online at <a href="http://www.Advanced-Impact.com">www.Advanced-Impact.com</a> or <a href="http://www.LTISG.com">www.LTISG.com</a>.</p>	
MANUFACTURER INFORMATION	
<p>This product is manufactured by the AIT Group (Advanced Impact Technologies &amp; LTI Smart Glass)</p>	

v2.018.06.22

FOR MORE INFORMATION, PLEASE CONTACT:



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