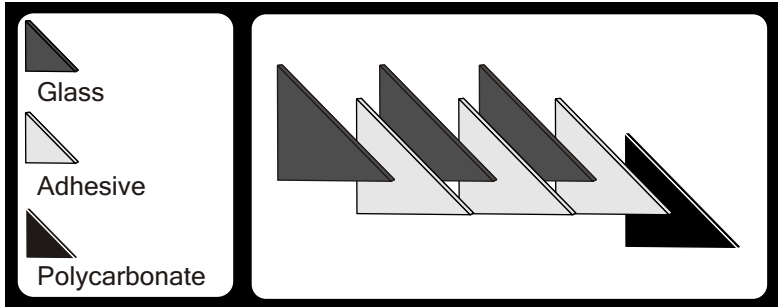




# SMARTGARD – BR4

## BALLISTIC GRADE SECURITY LAMINATE

## PRODUCT DETAILS\*



PART NUMBER	SMARTGARD-BR4
SPALL TYPE	NO-SPALL
WEIGHT	14.43Lb/SqFt
THICKNESS	1.338 in
MAX SIZE	60 X 96 in
SMARTGLASS OPTION AVAIL	YES

\*Represents typical properties, not intended for specification

## TESTING PROTOCOLS

STANDARD USED	RESULT
UL LEVEL 4 - 1 SHOT = .30Cal	PASSED /NO PENETRATION

## DESCRIPTION

The SMARTGARD-BR4 security glazing is an asymmetrical composite of clear or tinted glass, clear adhesive interlayers, and high quality multilayer polycarbonate with an overall nominal thickness of 1.338”.

The demands for security glass is increasing. The LTI Ballistic Series products are custom manufactured to be utilized in secure environments where consistent quality and optimum optical clarity are priorities.

## 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.)

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 1036-91 for float glass
- ASTM C 1349 for laminate quality
- ASTM C1048 - Standard Specification for Heat-Treated Flat Glass Kind HS, Kind FT Coated and Uncoated Glass.
- ANSI Z97.1, CPSC 16 CFR 1201 Cat 1 & 2 for Impact

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

LENEX, MASS. +1.413.637.5001

## WARRANTY

Limited Warranty- LTI warranties the SMARTGARD – BR4 laminate system against plastic and glass delamination for a 5 year period from date of shipment see additional warranty details online at [www.LTISG.com](http://www.LTISG.com).

