

# ALLIED PROTECTIVE GLAZING LLC

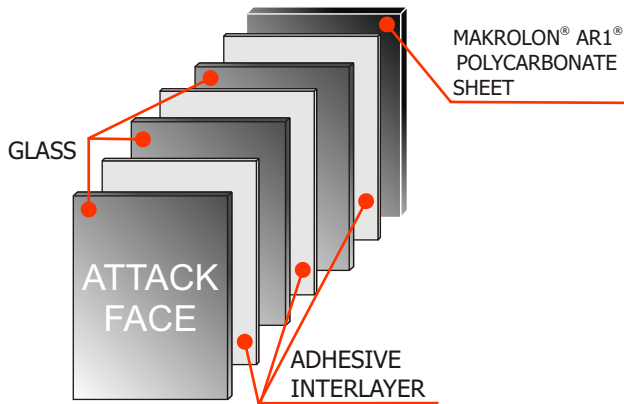
A Member of the LTI Group

www.APGlazing.com

## PRODUCT IDENTIFICATION:

# SMARTGARD-BR4

## Product Configuration



## UL752 LEVEL IV

## Product Specification

The SMARTGARD-BR4 No Spall laminate is made up of the following construction:

- Glass
- Adhesive interlayer
- Glass
- Adhesive interlayer
- Glass
- Adhesive interlayer
- Makrolon® AR1® Polycarbonate Sheet

The SMARTGARD-BR4 security glazing is an asymmetrical composite of clear or tinted glass, clear adhesive interlayers, and high quality hard-coated polycarbonate.

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

## Testing & Ratings

### UL752

LEVEL 4: **PASSED** - (.30CAL x1 SHOT)

### STANDARDS

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 I & 2 for Impact

## Physical Properties, Typical

Spall Type	No-spall
Weight	14.43 lb/sqft
Thickness	1.3380 In
Max Size	60 X 96 In
Smartglass Option Avail	Yes

\*Represents typical properties, not intended for specification

## Glazing Instructions

Allied Protective Glazing, Inc. 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 Allied if required.

Allied Protective Glazing produces the finest glass and composite laminates in the world, proper care during installation will ensure years of superior performance.



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