

## BULLET SHIELD™

## 1/2" Sheet

### CONTAINMENT GRADE

BulletShield™ 1/2" containment grade sheet is a 0.500", 3-ply polycarbonate laminate that meets ASTM F 1233-08 Class 1.4 for contraband passage and Class 2.8 for body passage. BulletShield 1/2" also meets HP White TP 0500 Level A (.38 Special) and ASTM F1233-08, Level HG1 (.38 Special) for ballistics. Unlike glass-clad products, this all-polycarbonate laminate resists spalling and white-out after repeated high force and ballistic impacts, an advantage in maintaining visibility of a threat during an attack. All BulletShield 1/2" products incorporate DefenseLite® polycarbonate sheet produced for high optical quality in security glazing laminates. Exterior surfaces have a proprietary DefenseLite AR hardcoat that facilitates cleaning and resists marring, chemical, and graffiti attack. BulletShield 1/2" sheet has a seven (7) year Limited Product Warranty against coating failure, yellowing, and hazing. The terms of the warranty are available upon request.

### Applications

Jails, detention centers, psychiatric hospitals, reception areas, convenience stores, check cashing facilities, safe rooms, government buildings, and executive offices.

#### TYPICAL PROPERTIES\*

Property	Values
Gauge / Tolerance	0.522 in ± 5%
Weight	3.3 lbs / sq ft
Shading Coefficient	0.90
U-Value	0.74
Light Transmission	83%

\*Typical properties are not intended for specification purposes

### Product Performance Ratings

#### BALLISTIC

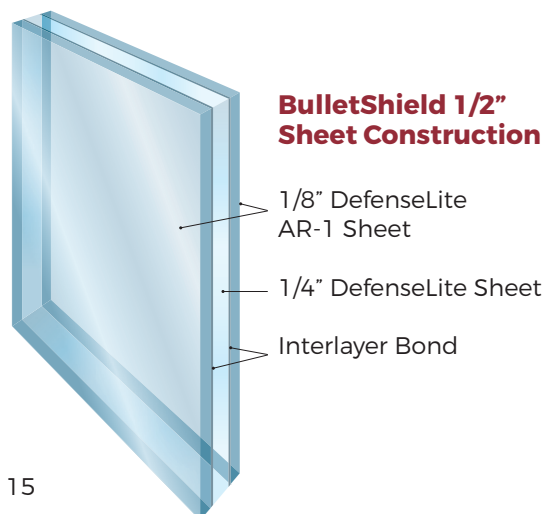
H.P. White TP 0500.03, Level A  
ASTM F 1233-08, Level HG1

#### AGENCY INFORMATION

Combustibility Class CC1  
Miami-Dade NOA #15-1014.01  
Florida Building Code 2014

#### FORCED ENTRY & CONTAINMENT

ASTM F 1233.08 Class 1.4  
(contraband passage) and  
Class 2.8 (body passage)  
ASTM F 1915.03 Grade 1  
H.P. White TP 0500.03 Level 1 Sequence 15





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### Glazing recommendations

- Structural security framing systems with equal or greater forced entry and/or ballistics ratings as the selected BulletShield laminate are recommended
- BulletShield laminate should be cut to allow for a minimum of one (1") inch edge engagement in the frame, with sufficient rabbet depth for material expansion (approx. 1/16"/ft.)
- Use wet or dry sealants/gaskets that are compatible with polycarbonate
- Remove protective masking after glazing operations are completed and before prolonged exposure to direct sunlight, moisture, or high temperature

### Standard sheet size

48"x48", 48"x60", 48"x72", 48"x96", 60"x96", 72"x96"

### Product Specifications

BulletShield 1/2" polycarbonate laminate:

- Three-ply, clear DefenseLite polycarbonate sheet constructed as follows:
  - 1/8" DefenseLite AR-1 abrasion resistant surface
  - Polyurethane bonding interlayer
  - 1/4" DefenseLite polycarbonate sheet
  - Polyurethane bonding interlayer
  - 1/8" DefenseLite AR-1 abrasion resistant surface

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