

Hygard® BR

Bullet Resistant Polycarbonate

Description and Overview

Hygard® Bullet Resistant polycarbonate sheets consist of multiple layers of polycarbonate that meet ballistic attack prevention criteria. Hygard® sheets range from .750 to 1.25 inches thick and have ballistic ratings that depend on sheet thickness. A .750 inch sheet has a UL752 Level 1 rating, while 1 inch and 1.25 inch have a UL752 rating of Level 2 and 3, respectively.

Thicker material has a higher rating for ballistic attack, meaning it has endured at least three bullets from a particular caliber. For instance, a Level 1 rated material must provide protection from three shots of a 9mm, while a Level 3 rated material must withstand three shots of a .44 magnum.

Applications and Uses

UL752 rated Hygard® Bullet Resistant polycarbonate sheets deter and stop ballistic attacks. They resist spalling and white-out after repeated ballistic impacts, which gives a critical advantage in maintaining visibility of threats during an attack.

Hygard® BR polycarbonate sheets protect critical areas where safety and security are paramount.

- Government and detention facilities
- Banks
- Specialty retailers
- 24 hour convenience stores
- Cash transaction windows



Typical Properties

Property	Values
Gauge / Tolerance	60.780 in ± 10%3
Weight	5.1 lbs / sq ft
Shading Coefficient	0.89
U-Value	0.65
Light Transmission	88%

*Typical properties are not intended for specification purposes

Product Performance Ratings


BALLISTIC

UL 752 Level 1 (9 mm Full Metal Copper Jacket with lead)

AGENCY INFORMATION

Combustibility Class CC2
 Florida Building Code 2017, 6th Ed.
 Miami-Dade NOA: NOA
 UL File: BP6864

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 **WARNING:** This product can expose you to chemicals, which are known to the State of California to cause cancer, birth defects, and/or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

