

HYGARD BR1250 POLYCARBONATE SHEET

BALLISTIC GLAZING - LEVEL 3

HYGARD BR1250 ballistic grade sheet is a 1.250", 4-ply polycarbonate laminate that meets UL 752 Level 3 rating for .44 Magnum ballistic attack, HP White TP 0500 Level IV, and ASTM F 1233 Class 5. 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 Hygard products incorporate TUFFAK polycarbonate sheet produced for high optical quality in security glazing laminates. Exterior surfaces have a proprietary TUFFAK AR hardcoat that facilitates cleaning and resists marring, chemical, and graffiti attack. Applications include security doors, windows, and other areas that require these specific levels of protection. HYGARD BR1250 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

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

TYPICAL METRIC PROPERTIES

PROPERTY	TEST METHOD	VALUES
Gauge / Tolerance	-	33mm ± 5%
Weight	-	39.5 kg / m ²
Shading Coefficient	NFRC 100-2010	0.81
U-Value	NFRC 100-2010	0.29 W/m ² C
Light Transmission	ASTM D1003	72%

PRODUCT PERFORMANCE RATINGS

BALLISTIC

UL 752 Level 3 (.44 Magnum lead semi-wadcutter gas checked)

NIJ Level II, Level IIIA

FORCED ENTRY AND CONTAINMENT

ASTM F 1233.08 Class 5 Body Passage

ASTM F 1233.08 Class 2.5 Contraband Passage

ASTM F 1915.03 Grade 1

H.P. White TP 0500.03 Level IV Sequence 43-44

AGENCY INFORMATION

Combustibility Class CC1

ICC-ES ESR-2728

Florida Building Code 2017

Miami-Dade NOA: NOA

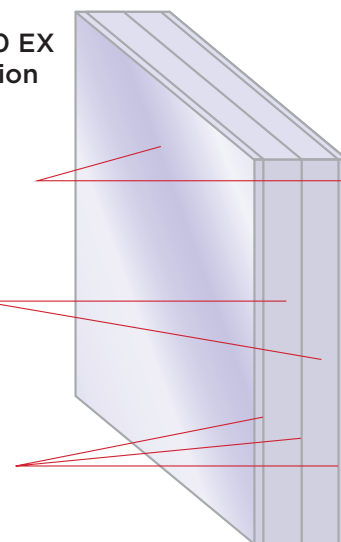
UL File: BP6864

HYGARD BR1250 EX Sheet Construction

3mm TUFFAK AR-1 sheet

12.7mm TUFFAK sheet

Interlayer Bond



These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and methods of use are beyond our control. We recommend that the prospective user determines the suitability of our materials and suggestions before adopting them on a commercial scale.

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PDS339_HYG_BR1250_Metric