PALSHIELD™ 318

Bullet Resistant Panel

CONSTRUCTION

Overview

PALSHIELD 318 offers clear, bullet resistant glazing for a variety of security glazing needs.

Due to its layered structure, the panel withstands both physical attack and multi-shot assault, absorbing the entire impact energy without shattering or spalling.

An additional abrasion resistant coating gives PALSHIELD 318 long life service, making it ideal for applications in public areas.

Main Benefits

- Shatter proof - does not spall
- Abrasion resistant surface
- Complies with various ballistic standards (see table on back side)
- Low weight: nearly half the weight of glass-equivalent
- Clear - good optical quality
- Colors: clear, bronze, grey

Typical Applications

- Security glazing in banks and government facilities
- Public institutions
- Gas stations and convenience stores
- Drive-up windows
- Train/bus glazing
- Ticket booths and kiosks
- Prisons and detention centers

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Build On.

PALSHIELD™ 318

Product Information

Property	Units	Value
Product code		318
Thickness	mm	19
Weight	Kg/sqm	~23
Flexural strength	psi	No less than 13,500
Light transmission (ASTM-1003)	%	~88
Shading coefficient		0.96 (calculated)
Dimensions*	mm	Width: 1220 Length: 2440
Colors		Clear, bronze, grey

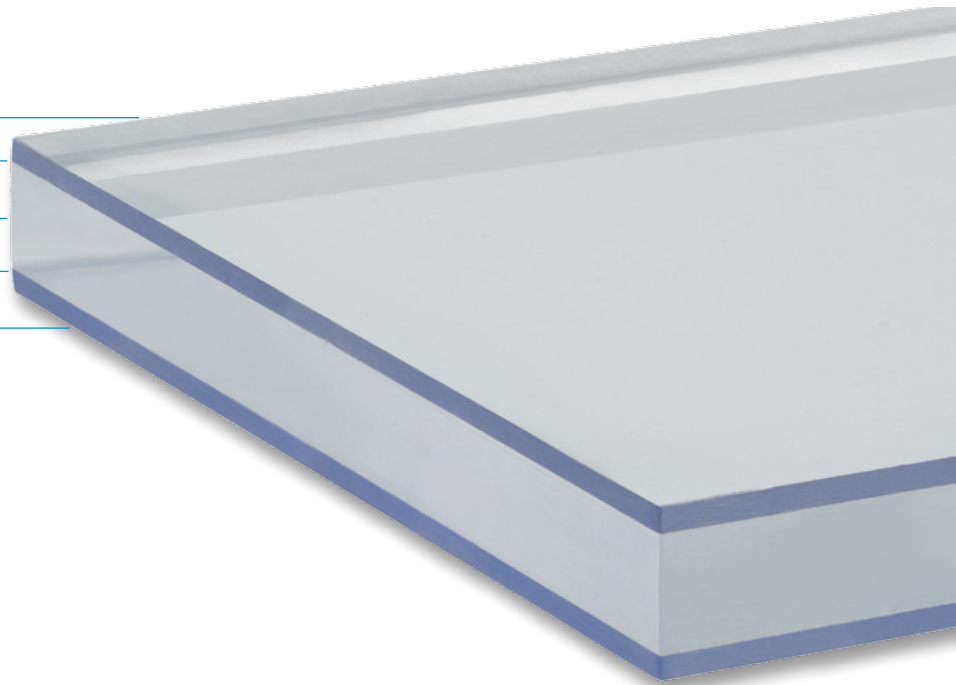*Other dimensions are available upon request, subject to minimum quantity.

Ballistic and Forced Entry Ratings

Standard	Compliance / Rating
HPW-TP-0500.00	Level B - ballistic material (9mm) handgun level I - forced entry material
ASTM F1233-93	0.38 Super handgun protection
UL 752*	Level 1 (9mm) protection
BS 5051 Part 1: 1988	Level G0

*Tested at accredited ballistic laboratory.

Layer Detail

Abrasion-resistant solid polycarbonate

Adhesive

Acrylic

Adhesive

Abrasion-resistant solid polycarbonate