



# PALSHIELD™ 318

Bullet Resistant Panel



## 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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## 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<br>Length: 2440 |
| Colors                         |        | Clear, bronze, grey         |

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

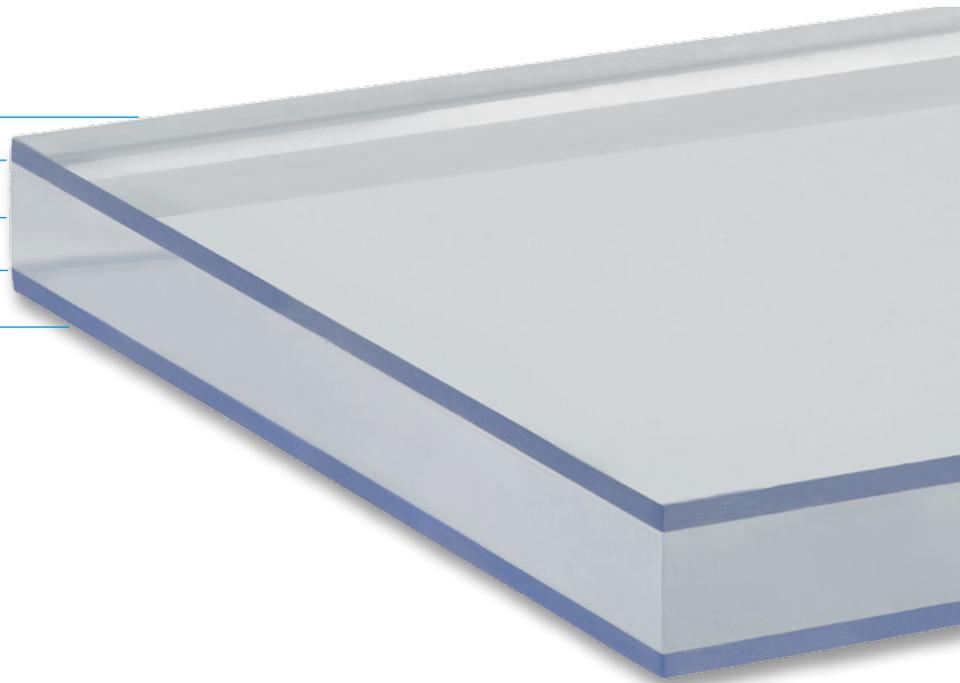
## Ballistic and Forced Entry Ratings

| Standard             | Compliance / Rating   |
|----------------------|---|
| HPW-TP-0500.00       | Level B - ballistic material (9mm) handgun<br>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



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