

POLYGARD™ PRO

Attack and bullet resistant security glass for interior application

BR4-NS
SG1-NS
P8B

CLASSIFICATION



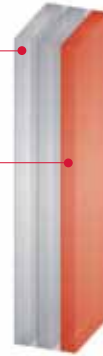
= Bullet &
Attack Resistant

Security glass combinations offering an effective resistance against specific weapons and ammunitions, as well as against forced entry attempts. A distinction is made in terms of the bullet resistant characteristics between splintering and non-splintering glass.

PRODUCT FEATURES

Laminated safety glass

Polycarbonate



TECHNICAL SPECIFICATIONS

Reaction (EN 1063)	BR4-NS SG1-NS (no splinters)	
Reaction (EN 356 B)	P8B	
Maximum Glass Size (max. 3,5 m ²)	≤ 1200 mm x 2900 mm***	
Thickness tolerance	±2 mm	
Length/height tolerance	±4 mm to 1000 mm, ±5 mm to 2000 mm, ±6 mm over 2000 mm	
Impact resistance (EN 12600)	1 (B) 1 classification	
Application Conditions	Avoid excessive exposure to elevated temperatures. For exterior applications the glazing must be configured as insulating glass unit with low emissivity or solar control properties. Due to the conflicting material-specific properties of the glass and polycarbonate combination, an increased distortion can occur. The surface of the inward-positioned polycarbonate is much more sensitive than a glass surface. For more information and assistance, please contact your local Vetrotech agent and refer to the relevant "Quality Guideline, Application Conditions".	
CE certificate No. of conformity	CPD/0497/4882/13 (you can obtain a DoP* from your national sales office) - AoC-Level 1	
ID-No.	UP 841.21-NS	
Hazardous material contained	None	
Nominal thickness	21 mm (Planilux®)	21 mm (Diamant® - extra clear)
Weight	43 kg/m ²	43 kg/m ²
Sound reduction Rw (EN 140-3)	NPD**	NPD**
Light transmission (EN 410)	82%	85%
Light reflection ρL (exterior/interior)	7%/7%	8%/8%
U value, W/m ² K (EN 673)	5,2	5,2
g value	0,66	0,72
Energy transmission τE	57%	66%
Energy reflection ρE (exterior/interior)	6%/6%	7%/7%

* Declaration of Performances

** NPD = No Performance Declared

*** Bigger sizes available on request