

VETROGARD™ PRO

Attack and bullet resistant security glass for interior and exterior application

BR4-S
SG1-S
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



TECHNICAL SPECIFICATIONS

Reaction (EN 1063)	BR4-S SG1-S (splinters)	
Reaction (EN 356 B)	P8B	
Maximum Glass Size (max. 13,0 m ²)	≤ 2600 mm x 5000 mm***	
Thickness tolerance	±2 mm	
Length/height tolerance	±3 mm to 1000 mm, ±4 mm to 2000 mm, ±5 mm over 2000 mm	
Impact resistance (EN 12600)	1 (B) 1 classification	
Application Conditions	For exterior applications the glazing must be configured as insulating glass unit with low emissivity or solar control properties to achieve an adequate u-value. 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.	JH 841.35-S	
Hazardous material contained	None	
Nominal thickness	35 mm (Planilux®)	35 mm (Diamant® - extra clear)
Weight	80 kg/m ²	80 kg/m ²
Sound reduction Rw (EN 140-3)	NPD**	NPD**
Light transmission (EN 410)	77%	85%
Light reflection ρL (exterior/interior)	7%/7%	8%/8%
U value, W/m ² K (EN 673)	4,9	4,5
g value	0,57	0,70
Energy transmission τE	46%	62%
Energy reflection ρE (exterior/interior)	6%/6%	6%/6%

* Declaration of Performances

** NPD = No Performance Declared

*** Bigger sizes available on request