

VETROGARD™ BULLET Climaplus

Bullet resistant security glass for interior and exterior application

BR4-NS

CLASSIFICATION



= Bullet Resistant

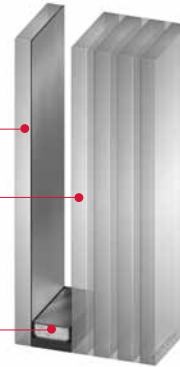
Bullet resistant glazing offering an effective resistance against specific weapons and ammunition types. A distinction is made between splintering and non-splintering glass.

PRODUCT FEATURES

Outer pane with low emission and/or solar control properties

Laminated safety glass

Spacer



TECHNICAL SPECIFICATIONS

Reaction (EN 1063)

Maximum Glass Size (max. 7,6 m ²)	≤ 2300 mm x 3800 mm***
Thickness tolerance	±3 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	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 ID-No.	CPD/0497/4881/13 (you can obtain a DoP* from your national sales office) - AoC-Level 1
Hazardous material contained	None

BR4-NS (no splinters)

Maximum Glass Size (max. 7,6 m ²)	≤ 2300 mm x 3800 mm***
Thickness tolerance	±3 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	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 ID-No.	CPD/0497/4881/13 (you can obtain a DoP* from your national sales office) - AoC-Level 1
Hazardous material contained	None

Nominal thickness

	75 mm (Planilux®)	75 mm (Diamant® - extra clear)
Outer pane	6 mm Planilux® with Planitherm® Ultra N	6 mm Planilux® with Planitherm® Ultra N
Spacer	15 mm with Argon gas filling	15 mm with Argon gas filling
Inner pane	VETROGARD™ BULLET BR4-NS, 54 mm	VETROGARD™ BULLET BR4-NS, 54 mm
Weight	144 kg/m ²	144 kg/m ²
Sound reduction Rw (EN 140-3)	NPD**	NPD**
Light transmission (EN 410)	63%	73%
Light reflection ρL (exterior/interior)	11%/9%	12%/11%
U value, W/m ² K (EN 673)	1,1	1,1
g value	0,54	0,56
Energy transmission τE	29%	42%
Energy reflection ρE (exterior/interior)	23%/7%	24%/12%

* Declaration of Performances
 ** NPD = No Performance Declared
 *** Bigger sizes available on request

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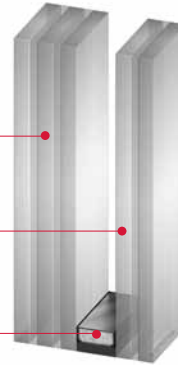


= Bullet Resistant

Bullet resistant glazing offering an effective resistance against specific weapons and ammunition types. A distinction is made between splintering and non-splintering glass.

PRODUCT FEATURES

- Outer pane
- Laminated safety glass
- Laminated safety glass with low emission
- Spacer



TECHNICAL SPECIFICATIONS

Reaction (EN 1063)	BR4-NS (no splinters)
Maximum Glass Size (max. 7,2 m ²)	≤ 2000 mm x 3600 mm***
Thickness tolerance	±3 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	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/0497/4881/13 (you can obtain a DoP* from your national sales office) - AoC-Level 1
ID-No.	CP-HN 452-NS
Hazardous material contained	None
Nominal thickness	52 mm (Planilux®)
Weight	82 kg/m ²
Sound reduction Rw (EN 140-3)	NPD**
Light transmission (EN 410)	70%
Light reflection ρL (exterior/interior)	11%/11%
U value, W/m ² K (EN 673)	1,1
g value	0,48
Energy transmission τE	37%
Energy reflection ρE (exterior/interior)	11%/15%

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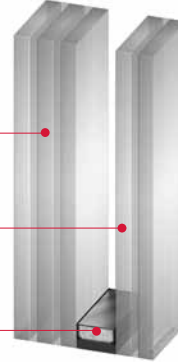
Bullet resistant glazing offering an effective resistance against specific weapons and ammunition types. A distinction is made between splintering and non-splintering glass.

PRODUCT FEATURES

Outer pane
Laminated safety glass

Laminated safety glass
with low emission

Spacer



TECHNICAL SPECIFICATIONS

Reaction (EN 1063)	BR4-NS (no splinters)
Maximum Glass Size (max. 7,6 m ²)	≤ 2000 mm x 3800 mm***
Thickness tolerance	±3 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	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-0497-4881-13 (you can obtain a DoP* from your national sales office) - AoC-Level 1
ID-No.	CP-HS 458-NS
Hazardous material contained	None
Nominal thickness	58 mm (Planilux®)
Weight	115 kg/m ²
Sound reduction Rw (EN 140-3)	NPD**
Light transmission (EN 410)	66%
Light reflection ρL (exterior/interior)	10%/11%
U value, W/m ² K (EN 673)	1,4
g value	0,41
Energy transmission τE	32%
Energy reflection ρE (exterior/interior)	9%/16%

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