

Product overview




PROTECT Security Glass Products






PROTECT

For more information on our PROTECT range, please consult our product selector.

 ATTACK resistant		EN 356 AVCP Level 3				
	Class & Resistance	Thickness in mm	Weight in kg/m ²	max. width (mm)	max. height (mm)	max. surface in m ²
Vetrogard®	P6B	15	33	2600	4000	10.4
	P7B	22	50	2600	5000	13.0
	P8B	27	58	2600	5000	13.0
Polygard®	P6B	15	28	1500	2900	4.4
	P7B	15	28	1500	2900	4.4
	P8B	17	30	1500	2900	4.4

 BULLET resistant		EN 1063 AVCP Level 1				
	Class & Resistance	Thickness in mm	Weight in kg/m ²	max. width (mm)	max. height (mm)	max. surface in m ²
Vetrogard®	BR1-S	13	32	2600	5000	13.0
	BR2-S	22	49	2600	4000	10.4
	BR3-S	23	54	2600	4000	10.4
	BR4-S	32	75	2600	4000	10.4
	BR5-S	36	84	2600	4000	10.4
	BR6-S	50	117	2600	4000	10.4
	BR7-S	85	206	2600	4000	7.2
	SG1-S	32	75	2600	4000	10.4
	SG2-S	50	117	2600	4000	10.4
	BR2-NS	31	73	1500	2500	3.8
	BR3-NS	44	104	2600	4000	10.4
	BR4-NS	54	129	2600	5000	11.6
	BR5-NS	58	139	2600	5000	10.7
	BR6-NS	73	175	2000	4000	8.0
	BR7-NS	81	196	2000	4000	8.0
Vetrogard® Climaplus	BR4-NS	56	107	2300	3800	8.7
	BR5-NS	57	114	2300	3800	8.6
	BR6-NS	71	127	2000	3600	7.2
	BR7-NS	88	193	2300	3800	5.1
Polygard®	BR1-NS	18	34	1200	2900	3.5
	BR4-NS SG1-NS	21	43	1200	2900	3.5
	BR5-NS	32	69	1500	2900	4.4
	BR6-NS SG2-NS	38	84	1500	2900	4.4

Vetrogard®: Glass-Glass solution Polygard®: Glass-Polycarbonate solution

-S = Splintering


-NS = Non-splintering


The non-splintering option means that, even in the event of an attack, there is less risk of injury to those in the immediate vicinity if the glass is broken: it does not splinter into sharp fragments but remains bonded to the interlayer. If there is no danger of injury to those nearby, the splintering option is a cost-effective alternative.


Climaplus® products offer very effective thermal insulation, which results in reduced energy costs in both summer and winter. These double- and triple-glazed units, which contain a special insulating gas between the panes, offer excellent U-values and solar control factors while also remaining relatively narrow.

AVCP: Assessment and Verification of Constancy of Performance



 BLAST resistant				EN 13541 AVCP Level 1		
	Class & Resistance	Thickness in mm	Weight in kg/m ²	max. width (mm)	max. height (mm)	max. surface in m ²
Vetrogard®	ER1-S	10	22	2600	4000	10.4
	ER2-S	18	40	2600	4000	10.4
	ER3-S	31	73	2600	4000	10.4
	ER4-S	27	68	2600	5000	13.0
	ER1-NS	18	40	2600	5000	13.0
	ER2-NS	26	63	2600	4000	10.4
	ER4-NS	33	83	2400	5000	12

 ATTACK resistant + BULLET resistant				EN 1063 / EN 356 AVCP Level 1		
	Class & Resistance	Thickness in mm	Weight in kg/m ²	max. width (mm)	max. height (mm)	max. surface in m ²
Vetrogard® PRO	BR4-S & SG1-S & P8B	35	80	2600	5000	13.0
	BR6-S & SG2-S & P8B	51	120	2600	5000	12.4
	BR3-NS & P8B	44	104	2600	4000	10.4
	BR4-NS & P8B	54	129	2600	5000	11.6
Vetrogard® PRO Climaplus	BR4-NS & P8B	58	115	2000	3800	7.6
	BR6-NS & SG2-NS & P8B	73	147	2000	3800	6.7
Polygard® PRO	BR4-NS & SG1-NS & P8B	21	43	1200	2900	3.5
	BR6-NS & SG2-NS & P8B	38	84	1500	2900	4.4

 ATTACK resistant + FIRE resistant				EN 356 / EN 13501-2 AVCP Level 1		
	Class & Resistance	Thickness in mm	Weight in kg/m ²	max. width (mm)	max. height (mm)	max. surface in m ²
Contraflam® Polygard®	P6B & EI 30	30	59	1400	2800	3.9
	P6B & EI 60	37	74	1400	2800	3.9
	P7B & EI 30	30	59	1400	2500	3.9
	P7B & EI 60	37	74	1400	2800	3.9
	P8B & EI 30	32	61	1400	2800	3.9
	P8B & EI 60	39	76	1400	2800	3.9
Contraflam® Vetrogard®	upon request					

If you have any questions or different requirements, contact us: vetrotech.com/contact



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January 2015.

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