



SECURITY

AssaultGuard™ Ultra

High level security laminated glass

The AssaultGuard Ultra™ range are designed to withstand a variety of attacks and is specially designed for use in high threat facilities such as police stations and mental health facilities.

The AssaultGuard™ Ultra range is manufactured using a variety of glass types and thicknesses combined with specialised security interlayers, delivering improved security performance when compared to standard AssaultGuard™.

For stringent energy efficiency requirements, AssaultGuard™ Ultra can be supplied in a range of toned and Low E combinations or incorporated into a ThermoTech™ IGU.

When higher levels of security are required consider AssaultGuard™ Ultra.

Features and Benefits

- AssaultGuard™ Ultra can be incorporated in an insulated glass unit with different glass types from across our product range to provide additional benefits such as privacy, security, noise reduction and energy efficiency.
- Included in the Australasian Health Facilities Guidelines.
- Internal testing coupled with market recognition indicates prolonged impact resistance in non-rated security applications where design considerations may prevent the use of ordinary glass.



Considerations Standards

- Conforms to AS/NZ 2208 for safety glazing material.
- AS 1170.2 & AS 1288 compliant.

Sectors

- Commercial

Applications

- Windows
- Doors
- Facades
- Display Cases
- Holding Cells



How to Specify

- **Select glass processor**
Viridian Glass
- **Select glass name**
AssaultGuard™ Ultra
- **Select tone & thickness**
See chart below.
- **Select processes**
Laminated or insulated glazed units.

Standard Stock Sizes

Product Name	Thickness	Stock Size
AssaultGuard™ Ultra – Non Low E	10mm	2440mm x 1220mm
AssaultGuard™ Ultra – Non Low E	12mm	2440mm x 1220mm
AssaultGuard™ Ultra – Non Low E	14mm	3660mm x 2130mm
AssaultGuard™ Ultra – with Low E	10mm	2440mm x 1220mm
AssaultGuard™ Ultra – with Low E	12mm	2440mm x 1220mm
AssaultGuard™ Ultra – with Low E	14mm	3500mm x 2130mm

Note: Subject to further processing requirements. Standard stock sizes do not reflect actual available stock, please consult Viridian.

Performance Data

Product Name	Nominal Thickness (mm)	VLT (%)	U Value	SHGC	Selectivity
AssaultGuard™ Ultra Clear	10	86	5.40	0.75	1.15
AssaultGuard™ Ultra Clear	12	85	5.30	0.73	1.16
AssaultGuard™ Ultra Clear	14	84	5.30	0.71	1.18
AssaultGuard™ Ultra E Clear	10	81	3.50	0.67	1.21
AssaultGuard™ Ultra E Neutral	10	60	3.50	0.51	1.18
AssaultGuard™ Ultra E Green	10	73	3.50	0.53	1.38
AssaultGuard™ Ultra E Grey	10	49	3.50	0.50	0.98
AssaultGuard™ Ultra E Clear	12	79	3.40	0.64	1.23
AssaultGuard™ Ultra E Neutral	12	62	3.40	0.51	1.22
AssaultGuard™ Ultra E Green	12	71	3.40	0.51	1.39
AssaultGuard™ Ultra E Grey	12	69	3.40	0.48	1.44
AssaultGuard™ Ultra E Clear	14	77	3.40	0.61	1.26
AssaultGuard™ Ultra E Neutral	14	60	3.40	0.49	1.22
AssaultGuard™ Ultra E Green	14	67	3.40	0.46	1.46
AssaultGuard™ Ultra E Grey	14	36	3.40	0.42	0.86

Note: All performance data is determined using LBL window 7 software. NFRC 100 - 2010 conditions have been used. Glass surfaces are counted from the exterior to the interior of the building. Refer to Viridian Performance Data for more values.

AssaultGuard™ is a trademark of Viridian Glass Pty Ltd.