

AssaultLam™

AssaultLam™ is a Grade A laminated Safety glass designed as an economical method of providing a barrier to forced entry while providing transparency and clarity.

Features



Safety & Security

AssaultLam™ incorporates interlayers four times the thickness of those manufactured in standard laminates and is designed to resist attack from a variety of hand tools used for forced entry such as hammers, crowbars and wood splitters. Withstands repeated blows from heavy objects such as bricks, hammers and crowbars. Retains integrity and continues to act as a barrier.



UV Protection

AssaultLam™ provides high UV protection, reducing the rate of fading.



Noise Control

Reduces unwanted noise compared to float glass or standard laminated glass.

Product Range

Clear

Available Thickness (mm) 9.52, 11.52, 13.52

Maximum Sheet Size (mm) 4600×2760

Applications

Internal

Doors, Shop Front, Frameless Glazing, Partitions

External

Doors, Windows, Shop Front, Frameless Glazing

Technical Data

Performance

Single Glazing

Product Name	Nominal Thickness	Visible			Solar		UV Trans.	U-Value		SHGC	Shading Co.	Weight m ²
		Trans.	Refl. Out	Refl. In	Trans.	Refl.		Air	Argon			
AssaultLam™ Clear	9.52	87	8	8	69	7	<1	5.5	0.76	0.87	21.6	
AssaultLam™ Clear	11.52	85	8	8	63	6	<1	5.5	0.73	0.83	26.6	
AssaultLam™ Clear	13.52	85	8	8	62	6	<1	5.4	0.72	0.83	31.6	

Double Glazing

Product Name	Nominal Thickness	Visible			Solar		UV Trans.	U-Value		SHGC	Shading Co.	Weight m ²
		Trans.	Refl. Out	Refl. In	Trans.	Refl.		Air	Argon			
AssaultLam™ Clear + QFloat™ Clear	9.52+12+6	77	14	15	54	10	<1	2.6	2.5	0.64	0.74	36.6
AssaultLam™ Clear + QFloat™ Clear	11.52+12+6	76	14	15	51	10	<1	2.6	2.5	0.61	0.7	41.6
AssaultLam™ Clear + QFloat™ Clear	13.52+12+6	75	14	14	50	10	<1	2.6	2.5	0.6	0.69	47.6
AssaultLam™ Clear + EnergyTech™ Clear (#5)	9.52+12+6	71	17	16	47	12	<1	1.8	1.6	0.61	0.7	36.6
AssaultLam™ Clear + EnergyTech™ Clear (#5)	11.52+12+6	70	16	16	44	11	<1	1.8	1.6	0.57	0.66	41.6
AssaultLam™ Clear + EnergyTech™ Clear	13.52+12+6	70	16	16	44	11	<1	1.8	1.6	0.56	0.65	47.6

Considerations

Standards

AS1170.2 and AS1288 compliance. Other standards may apply depending on application.

Installation

Exposed edges should be protected from moisture ingress. To provide a barrier to forced entry AssaultLam must be installed into a full frame without openings.

Glass Processing

Further processing is required for frameless glazing.

How to Specify

Available colours and thicknesses:

Clear 9.52, 11.52 & 13.52mm

Select from: Laminated or Heat Strengthened laminated.

If unsure, select in compliance with AS1288–2021 or manufacturers recommendation.

The glass shall comply with the following performance criteria:

- U value
- Solar Heat Gain Coefficient (SHGC)
- Visible Light Transmission %
- Glass Only Values
- Total window

Heat Strengthening

All glass which requires extra strength and thermal resistance will be heat strengthened. Heat strengthening increases the strength of annealed glass; however, it is not a substitute for toughened glass.

In the event of fracturing heat strengthened glass will crack and tends to remain in glazed position.

All glass is to be selected and installed in accordance but not exclusively with the following Australian and/or New Zealand Standards

- AS 1288 Glass in Buildings Selection and Installation
- AS 1170 Minimum Wind Loads on Structures
- AS/NZ 2208 Safety Glazing Materials in Buildings
- AS/NZ 4666 Insulating Glass Units
- AS/NZ 4667 Quality Requirements for cut-to-size and Processed Glass

Oceania Glass makes and distributes glass. Oceania Glass does not process glass nor produce Insulated Glass Units. Processing of glass and production of Insulated Glass Units is undertaken by independent processors. Speak with your nominated glass processors to understand their processing capability.