

LARGE INSULATED GLAZING UNITS

DISCLAIMER

June 2026

Please be advised that the product acceptance standards when processing larger IGU panels are different to orders that fall within our standard machine limitations. Please read this disclaimer carefully before proceeding with your order.

Applies to Insulated Glass Units exceeding 2400 x 3500

- Limitations on stock quality: Despite our strict procurement and quality control practices, there is an accepted tolerance for imperfections in stock glass. Glass panels that exceed 50% of our stock sheet sizes have a higher likelihood of including these allowable imperfections.
- Limited stock sheets: To accommodate the specific larger dimensions requested, we often use an entire stock sheet for processing a single oversize glass panel. Limited availability of stock sheets may impact the options for replacement or recutting in the event of defects.
- Safety & handling: Due to their size and weight, oversize glass panels require additional lifting equipment and handling procedures. While we take utmost care handling and processing oversize glass, the potential impact on the quality of the panel and the safety of our workers due to mishandling is greatly increased, and we minimise the frequency of oversize handling as much as possible.

By proceeding with your order for processing oversize glass panels, you acknowledge and accept the following:

- The allowable surface imperfections and inclusions for oversize IGUs will be assessed on inspection of each lite individually in accordance with AS/NZS 4667:2000. AS/NZS 4666:2012 will not be used to assess surface imperfections and inclusions of IGUs exceeding 2400 x 3500.
- The limited availability of stock sizes and glass types may limit options for replacement or recutting.
- Due to the unique handling requirements and stock consumption, Tough Glass will be limited in assisting with costs in the event of a customer making a mistake or damaging an oversize IGU panel.
- If you request a spacer thickness that does not meet the Tough Glass Spacer Width Guidelines, there will be no warranty against panes touching, which can lead to Newton's Rings and rub marks. Tough Glass may not accept orders outside of these guidelines if the risk of failing QA through production and dispatch is deemed too high.

L/S	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800
600	6	6	6	6	6	8	8	10	10	12	12	12
800	6	6	6	6	6	8	8	10	10	12	12	12
1000	6	6	6	6	6	8	8	10	10	12	12	12
1200	6	6	6	6	8	10	10	12	12	12	12	12
1400	6	6	6	8	10	12	12	12	12	12	12	16
1600	8	8	8	10	12	12	12	12	12	14	14	16
1800	8	8	8	10	12	12	12	12	14	14	16	16
2000	10	10	10	12	12	12	12	14	14	16	16	16
2200	10	10	10	12	12	12	14	14	16	16	18	18
2400	12	12	12	12	12	14	14	16	16	18	18	18
2600	12	12	12	12	12	14	16	16	18	18	18	18
2800	12	12	12	12	14	16	16	16	18	18	18	18
3000	12	12	12	12	14	16	16	18	18	18	18	18
3200	12	12	12	14	16	16	18	18	18	18	18	18
3400	12	12	12	14	16	16	18	18	18	18	18	20
3600	12	12	12	14	16	18	18	18	18	18	20	20
3800	14	14	14	16	16	18	18	18	18	20	20	20
4000	14	14	14	16	16	18	18	18	18	20	20	20

AS1288 Section 5 Glass Type

4mm Toughened Glass
5mm Toughened Glass
6mm Toughened Glass
8mm Toughened Glass
10mm Toughened Glass

Accounted for:

Toughened glass maximum size under AS 1288 Section 5 (to determine minimum overall thickness of a DGU complying with Human Impact on both faces and spacer guidelines).

Maximum capacity of IGU lines.

Allowable tolerance for bow in glass according to AS4666.

Please consult with our team for further clarification if you have any concerns regarding the processing of oversize IGU panels. Our goal is to provide you with the highest quality products and services, and we appreciate your understanding.

Disclaimer: The information provided in this document is current at the time of publication.