

# Technical Data - Commercial Glass Capabilities

Commercial glass products combining high performance insulated glass units with a wide range of solar and acoustic specifications.

Glass options to ensure the correct light and thermal heat enters the building, whilst offering a large number of contemporary colours giving architects endless design possibilities.

Self-cleaning glass units manufactured to commercial sizes, meeting environmental regulations and reductions to heating and cooling costs.

All products are manufactured with high-tech state-of-the-art production facilities allowing us to produce the highest quality product for delivery anywhere in the UK.

- Max DGU manufacturing size – 2500mm x 3210mm
- Full Sandblasting design capability – 1500mm x 2500mm (over these dimensions POA)
- Silicone edge sealing robot
- Painted glass
- High performance warm edge spacer
- Various types of Solar Control glass available from stock
- 2 types of standard Low-e available from stock in 4mm, 6mm, 8mm and Laminated glass
- Acoustic laminates in stock
- Roll back roofed vehicles available for crane off-load onsite
- Technical support

## Maximum DG Unit Manufacturing Sizes by Product

Glass Type	Thickness mm	Cavity mm	Maximum size mm		Maximum Area m <sup>2</sup>	Average Weight per kg/m <sup>2</sup>
			Square	Rectangle		
All laminated, including Silence, Hard or Soft Low-e, Solar Control & White Interlayer***	6	10, 12, 14, 16, 18, 20	n/a	2500 x 1500	3.75	31
	8	10, 12, 14, 16, 18, 20	n/a	3000 x 2000	6	41
	10	10, 12, 14, 16, 18, 20	n/a	3000 x 2350	7.05	51
	12	10, 12, 14, 16, 18, 20	n/a	3000 x 2350	7.05	61
All Toughened, including Hard or Soft Low-e, Solar Control, Satin,** Self Clean** & Tints**	4	10, 12, 14, 16, 18, 20	1250 x 1250	700 x 3050* 1250 x 2500	2.5	20
		10	2000 x 2000	2500 x 1500	4	
	6	12, 14, 16, 18, 20	2500 x 2500	3150 x 2200	6.3	30
		10	2000 x 2000	3000 x 2000	6	
	8	12, 14, 16, 18, 20	2500 x 2500	3150 x 2500	7.88	40
	10	12, 14, 16, 18, 20	2500 x 2500	3150 x 2500	7.88	50
Toughened Textured Glass	4	10, 12, 14, 16, 18, 20	1300 x 1300	2140 x 1320	2.5	20
	6	10, 12, 14, 16, 18, 20	1300 x 1300	2140 x 1320	2.5	30

\* denotes conservatory roof glazing (pitched)

With the exception of conservatory roof glazing all other dimensions are based on vertical installations.

\*\* only available from stock in 4mm x 6mm thickness's

\*\*\* only available from stock in 6.4mm x 8.8mm thickness's

6mm Satin stock sizes 3210 x 2250

All Solar control glass please check stock levels / lead-times before quoting / ordering (only Toughenable versions are available from stock)

Not all products are stocked in Jumbo's (6000mm x 3210mm) please check before ordering

Shapes - please use these charts for guidance only some dimensions may not be available up to the maximum sizes stated

These maximum sizes do not take into account wind loading or guarding requirements

**Toughened glass aspect ratio 13:1**