GLASS TOLERANCES & WEIGHT CAPACITY

Glass Thickness	Size Tolerance Unpolished Edge	Size Tolerance Polished Edge	Approx. Glass Weight (lbs/sq ft)	Capacity: 2 Sides* (lbs/sq ft)	Capacity: 4 Sides* (lbs/sq ft)
4mm (5/32")	+1.6mm, -1.6mm	+0, -1.6mm	2	33**	50**
6mm (1/4")	+1.6mm, -1.6mm	+0, -3.2mm	3	75	110**
10mm (3/8")	—	+0, -3.2mm	5	208**	310**
12mm (1/2")	—	+0, -3.2mm	6	300**	450**

* Weight capacities apply to tempered glass only and are based on a set square footage with weight spread evenly across the shelf. Capacity decreases as the span between supports increases and when heavy items are concentrated in one area. 4mm glass is not recommended for load-bearing shelves with spans of 36" or more.

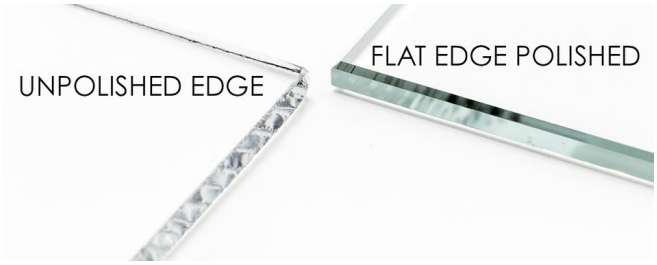
** Estimated. 2-sided values for 4mm, 10mm and 12mm are calculated proportionally from the 6mm rating based on glass thickness. 4-sided values are conservatively estimated at 1.5 times the 2-sided rating.

Additional support brackets along the length of the glass are encouraged for added strength and support.

THICKNESS & FINISH OPTIONS

	4mm (5/32")	6mm (1/4")	10mm (3/8")	12mm (1/2")
Gloss Finish	✓	✓	✓	✓
Matte Finish	✓	✓	✓	✓
Writable Matte	✓	✓		
Reeded	✓		✓	
Narrow Reeded	✓			

EDGE FINISH OPTIONS



SUPPORT TYPES

Top view; supported edges shown in grey.



Supported on 2 Sides

Glass rests on two opposite edges, such as brackets or side channels.



Supported on 4 Sides

Glass is held on all four edges, such as a frame or channel. Strongest option.



Glass shelf on aluminum arm brackets (2 sides)

Values are guidelines only and assume proper installation with appropriate hardware anchored to the wall structure. Installation is the responsibility of the installer. For sizes, spans or applications outside this chart, contact Element Designs Customer Support at 877.332.3396.

Technical specifications subject to change.