

Glass Table Top Thickness Requirements



SANS 17 Specifications for the inclusions of glass in the construction of tables provides for the following material selection.

To determine the correct thickness and type of glass we need the following information:

- Size of the table in m²
- Is the glass table uniformly supported all round
- Position of the perimeter supports
- Any additional loads which would need to be applied

Not uniformly supported glass table tops

Toughened safety glass, laminated safety glass or annealed glass used in the construction of table tops *which is not uniformly supported all round* shall comply with table 3 of SANS 17.

- Annealed glass shall be supported for not less than 50% of its perimeter; the support shall be in at least two non-adjacent regions and shall be not more than 100mm from the edge of the glass.
- All glass edges must be polished

Table 3 : Nominal thickness for glass that is not supported over its entire area

Area of glass m ²	Nominal thickness requirement		
	Toughened Glass mm	Laminated Glass mm	Annealed Glass mm
≤ 0.25	≥ 4.0	≥ 6.4	≥ 10.0
> 0.25 to ≤ 0.50	≥ 5.0	≥ 6.4	≥ 10.0
> 0.50 to ≤ 0.75	≥ 6.0	≥ 6.4	≥ 12.0
> 0.75 to ≤ 1.50	≥ 8.0	≥ 8.4	≥ 15.0
> 1.50	≥ 10.0	≥ 10.4	≥ 19.0

Glass Table Top Thickness

Requirements

ITB06

Uniformly supported glass table tops

The thickness of glass used for the construction of uniformly supported table tops over its entire area shall comply with the requirements of SANS 17 Table 4

- Glass which has an area not greater than 1.5m² shall comply with the relevant thickness given in table 4
- Glass which has an area greater than 1.5m² shall be toughened safety glass or laminated safety glass with a nominal thickness of 4mm
- All glass edges must be polished

Table 4 : Nominal thickness for glass that is supported over its entire area

Area of glass m ²	Nominal thickness requirement		
	Toughened Glass mm	Laminated Glass mm	Annealed Glass mm
≤ 0.5	≥ 4.0	≥ 4.0	≥ 4.0
> 0.5 to ≤ 1.0	≥ 4.0	≥ 4.0	≥ 5.0
> 1.0 to ≤ 1.5	≥ 4.0	≥ 4.0	≥ 6.0
> 1.50	≥ 4.0	≥ 4.0	Not allowed

We should always recommend safety glass for table tops as changes in SANS 17 will shortly require all glass within 1200mm from the floor level will need to be safety glass. This change is currently at draft stage for public comment.

For any assistance on table tops please email msagi@natglass.co.za