

Glass Table Top Thickness Requirements

SANS 17:2020 (edition 2) 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
- SANS 17 requires all table tops to be a safety glass
- The size and support structure will determine the glass thickness

Not uniformly supported glass table tops

Glass used for table tops shall be a safety glazing material that complies with SANS 1263-1 together with thickness given in table 3.

Table 3 : Nominal thickness for table tops not uniformly supported		
Area of glass m ²	Nominal thickness requirement	
	Toughened Glass mm	Laminated Glass mm
≤ 0.25	≥ 4.0	≥ 6.0
> 0.25 to ≤ 0.50	≥ 5.0	≥ 6.0
> 0.50 to ≤ 0.75	≥ 6.0	≥ 6.0
> 0.75 to ≤ 1.50	≥ 8.0	≥ 8.0
> 1.50	RD ^a	RD ^a

^a Rational design (RD) - Subject to a Rational Design by a competent person.

Glass Table Top Thickness Requirements

ITB06.2

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 17:2020 (edition 2) Table 4

- Glass which has an area not greater than 1.5m² shall comply with the relevant thickness mentioned in table 4
- Glass with a surface area greater than 1.5m² needs to be rationally designed
- All glass edges must be polished

Table 4 : Nominal thickness of uniformly supported table tops and shelves.

Area of glass m ²	Nominal thickness requirement	
	Toughened Glass mm	Laminated Glass mm
≤ 0.5	≥ 4.0	≥ 6.0
> 0.5 to ≤ 1.0	≥ 4.0	≥ 6.0
> 1.0 to ≤ 1.5	≥ 4.0	≥ 6.0
> 1.50	RD ^a	RD ^a

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