

ARMOURPLATE®

toughened safety glass

Armourplate® toughened safety glass is ideal for bolted structural glazing and frameless applications. Superb resistance to thermal stress also allows Armourplate to be used in applications such as refrigerator and oven doors, where ordinary annealed glass would be likely to fracture. Armourplate is available in a range of thicknesses and various colours. Armourplate meets the safety glass requirements of the South African National Building Regulations.

suggested applications

- All doors and side-lights, framed or unframed (refer Technical Information sheets for details on Armourplate doors)
- Sliding or patio doors
- Glazed panels in doors
- Balcony enclosures
- Shower doors and bath enclosures
- Barriers between different levels
- Low-level glazing
- Balustrades (refer Technical Information sheets)
- For hail resistance
- Where additional strength for wind loading is required
- Where glass is subjected to high thermal stress (e.g. unfavourable shadow patterns or poor back ventilation)
- Table tops
- Squash and racketball courts (SmartGlass is the only South African supplier approved by the World Squash Federation)

colours

Clear, Antisun Grey, Antisun Bronze, Serene Green.
Other colours available on request.

coatings

Armourplate can be readily produced with any coating from the SmartGlass E Range. Other coatings are available on request.

patterned obscure glass

Armourplate is available in selected DecorVue patterns.

sizes

Armourplate is available in thicknesses ranging from 4 mm to 19 mm. The maximum size that can be processed is 4000 mm x 2000 mm, subject to a maximum weight of 240 kg. Different maximum sizes apply to various colours, thicknesses and patterns. Recommended maximum size will depend on application and design load.

transparent float glass – clear

Nominal thickness (mm)	Normal size limits (mm)	Approximate Mass (kg/m ²)
4	3700 x 2000	10
5	3210 x 2000	12.5
6	3210 x 2000	15
8	3210 x 2000	20
10	3210 x 2000	25
12	3210 x 2000	30
15	3210 x 2000	37.5 (240 kg max)
19	3210 x 2000	47.5 (240 kg max)

transparent float glass – tinted

Nominal thickness (mm)	Normal size limits (mm)	Approximate Mass (kg/m ²)
4	3210 x 2000	10
6	3210 x 2000	15
10	3210 x 2000	25
12	3210 x 2000	30

patterned obscure glass – clear & amber

Max. sheet size Clear (mm)	Max. sheet size Amber (mm)	Max. sheet size Rainy/Vue / Amber (mm)	Approx. Mass (kg/m ²)
Nominal thickness 4 mm			
2140 x 1325	2150 x 1400	2150 x 1250	10
Nominal thickness 6 mm			
2140 x 1325	2150 x 1400	2150 x 1250	15
Nominal thickness 8 mm			
2140 x 1325	2150 x 1400	2150 x 1250	20
Nominal thickness 10 mm			
2140 x 1325	2150 x 1400	2150 x 1250	25