

## GLASS DIMENSIONS

Contractors involved with the installation of glazing products are advised that installations will be inspected in accordance with DSS SANS 10400-Part N:2006 Edition 3.

## EXTERNAL GLAZING

### Structures Not Exceeding 10m In Height (3 Storeys)

#### Vertical glazing supported all round

maximum pane sizes in m <sup>2</sup>							
NOMINAL GLASS THICKNESS IN MM	3	4	5	6	8	10	12
Monolithic Annealed Glass	0.75	1.5	2.1	3.2	4.6	6.0	6.0
Patterned Annealed & Wired Glass	-	0.75	1.2	1.9	2.6	3.4	-
Laminated Annealed Safety Glass	-	-	-	2.9	4.3	5.7	5.7
Toughened Safety Glass	-	1.9	3.0	4.5	8.0	8.0	8.0

#### Vertical glazing two opposite sides supported

maximum span between support in m							
NOMINAL GLASS THICKNESS IN MM	3	4	5	6	8	10	12
Monolithic Annealed Glass	-	0.4	0.5	0.6	0.85	1.0	1.3
Patterned Annealed & Wired Glass	-	0.25	0.3	0.35	0.5	0.6	-
Laminated Annealed Safety Glass	-	-	-	0.55	0.8	0.95	1.2
Toughened Safety Glass	-	0.55	0.7	0.85	1.15	1.3	1.8

**GLASS DIMENSIONS**  
 continued

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## INTERNAL GLAZING

### Vertical glazing supported all round

maximum pane sizes in m2							
NOMINAL GLASS THICKNESS IN MM	3	4	5	6	8	10	12
Monolithic Annealed Glass	0.75	1.5	2.1	3.2	4.6	6.0	6.0
Patterned Annealed & Wired Glass	-	0.75	1.2	1.9	2.6	3.4	-
Laminated Annealed Safety Glass	-	-	-	4.1	6.0	7.2	7.2
Toughened Safety Glass	-	3.0	4.2	6.4	9.2	9.2	9.2

### Vertical glazing - Two opposite sides supported

maximum span between support in m							
NOMINAL GLASS THICKNESS IN MM	3	4	5	6	8	10	12
Monolithic Annealed Glass	-	0.65	0.8	0.95	1.3	1.55	2.0
Patterned Annealed & Wired Glass	-	0.4	0.48	0.57	0.78	0.9	-
Laminated Annealed Safety Glass	-	-	-	0.9	1.25	1.5	1.95
Toughened Safety Glass	-	0.9	1.1	1.3	1.75	2.0	2.7

### Dimensions for frameless glass shower enclosures

glass thickness in mm	doors & panels supporting doors maximum square meters	fixed panels maximum square meters
6	1.45	2.00
8	1.75	3.00
10	2.10	4.00

- Only toughened safety glass to be used
- Not applicable to curved glass
- Maximum door height 2200mm
- Shower enclosure manufacturers to ensure compliance with SANS10160