



# Selection Guide Glazed Architectural Products

## Chapter VI



**Rational Design**

**Glazing Materials**

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Version 3.0



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This Selection Guide replaces the following AAAMSA Publication which is hereby withdrawn in its entirety.

- Selection Guide for Glazed Architectural Products – August 2012 Version 2.1

Any information contained in Selection Guides of earlier dates, which contradicts with data contained in this manual, is information superseded by this publication

AAAMSA Group January 2019  
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#### 6. Rational Design – Glazing Materials

##### 6.1 Shower enclosures

Shower enclosures are to comply with the performance criteria as stated in SANS 549 – Shower Enclosures for Domestic purposes.

In respect of frameless glass shower enclosures, the following shall apply:

##### 6.1.1 Maximum areas and mass for Frameless Glass Shower Enclosures

**Table 6.3: Maximum frameless glass area per thickness**

Thickness mm	Door m <sup>2</sup>	Fixed pane m <sup>2</sup>
6	1,600	2,100
8	2,000	3,300
10	2,200	4,000
12	Not Allowed	4,800

This table does not apply to curved glass

**Table 6.4: Size limitations in sq.m for frameless shower doors and fixed panels supporting doors<sup>ab</sup>**

Height mm	Width mm										
	500	550	600	650	700	750	800	850	900	950	1000
1880	6	6	6	6	6	6	6	6	8	8	8
1900	6	6	6	6	6	6	6	8	8	8	8
1950	6	6	6	6	6	6	6	8	8	8	8
2000	6	6	6	6	6	6	6	8	8	8	8
2050	6	6	6	6	6	6	8	8	8	8	10
2100	6	6	6	6	6	6	8	8	8	8	10
2150	8	8	8	8	8	8	8	8	8	10	10
2200	8	8	8	8	8	8	8	8	8	10	10
2250	8	8	8	8	8	8	8	8	10	10	N/A
2300	8	8	8	8	8	8	8	8	10	10	N/A
2350	8	8	8	8	8	8	8	10	10	N/A	N/A
2400	8	8	8	8	8	8	8	10	10	N/A	N/A

<sup>a</sup> Additional limitations:  
Distance between hinges or fixing points not to exceed the following:  
For 6 mm glass < 1,30 m  
For 8 mm glass < 1,75 m  
For 10 mm glass < 2,00 m.

<sup>b</sup> Size and weight specification of hardware to be adhered to in accordance with the manufacturer's instructions.

**Table 6.5: Size limitations in sq. m for fixed frameless shower panels supported at all four corners<sup>a</sup>**

Height mm	Width mm												
	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800
1,800	6	6	6	6	6	6	8	8	8	8	8	8	10
1,900	6	6	6	6	6	6	8	8	8	8	8	8	10
1,950	6	6	6	6	6	8	8	8	8	8	8	10	10
2,000	6	6	6	6	6	8	8	8	8	8	8	10	10
2,050	6	6	6	6	6	8	8	8	8	8	8	10	10
2,100	6	6	6	6	6	8	8	8	8	8	10	10	10
2,150	6	6	6	6	8	8	8	8	8	8	10	10	10
2,200	6	6	6	6	8	8	8	8	8	8	10	10	10
2,250	6	6	6	6	8	8	8	8	8	10	10	10	12
2,300	6	6	6	6	8	8	8	8	8	10	10	10	12
2,350	8	8	8	8	8	8	8	8	8	10	10	10	12
2,400	8	8	8	8	8	8	8	8	10	10	10	12	12
2,500	8	8	8	8	8	8	8	8	10	10	10	12	12
2,600	8	8	8	8	8	8	8	10	10	10	12	12	12

<sup>a</sup> **Additional limitations:**  
If the panel is fitted at less than all four corners, the unsupported width at the top may exceed the following:

Glass thickness	Fixed panel	Panel supporting door
For 6 mm glass:	n/a	n/a
For 8 mm glass:	400 mm	200mm
For 10 mm glass:	500 mm	250mm
For 12 mm glass:	600 mm	300mm