



## Glass Standard For Building

AS/ZNS220							MILLIMETRE	
THICKNESS LIMITS FOR STANDARD NOMINAL THICKNESS OF GLASS							玻璃厚度允许偏差	
Type of glass 玻璃类型	Standard nominal thickness 玻璃厚度		Glass thickness limits				允许偏差	
			Minimum		Maximum		最小	
Toughened glass and heat-strengthened glass 钢化 and 半钢化玻璃	3	4	2.8	3.8	3.2	4.2	5.2	
	5	6	4.8	5.8	6.2	8.3	10.3	
	8	10	7.7	9.7	12.3		15.5	
	12	15	11.7	14.5				
	19		18.0			20.0		
Laminated glass 夹胶玻璃	6.38	8.38	5.6	7.6	6.4		8.4	
	10.38	12.38	9.6	11.6	10.4		12.4	
		16.38		15.6		16.4		
Toughened Laminated glass and heat-strengthened Laminated glass 钢化夹胶玻璃 半钢化夹胶玻璃	6.38	8.38	5.6	7.6	6.4	8.4	10.4	
	10.38	12.38	9.6	11.6		12.4		
SIZE TOLERANCE REQUIREMENTS OF STANDARD NOMINAL THICKNESS							玻璃边长允许偏差	
Standard nominal thickness 厚度	Tolerance limits				允许偏差			
	Non-patterned		Patterned		Non-patterned		Patterned	
	< 1200	≥1200	< 1200	≥1200	< 1200	≥1200	< 1200	≥1200
3	±2	±2	±3	±4	±2	±2	±3	±4
4	±2	±2	±3	±4	±2	±2	±3	±4
5	±2	±2	±3	±4	±2	±2	±3	±4
6	±2	±2	±3	±4	±2	±2	±3	±4
8	±2	±2	±4	±5	±2	±2	±4	±5
10	±2	±3	±4	±5	±2	±2	±4	±5



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12	±2	±3	±4	±5
15	±2	±3	±4	±5
19	±2	±3	±4	±5

**CLASSIFICATION OF GLAZING MATERIAL ACCORDING TO BEHAVIOUR WHEN SUBJECTED TO THE IMPACT TEST**  
玻璃冲击测试等级对比

CLASS 等级	Drop height 200mm nominal 200毫米冲击高度	Drop height 300mm to 1500mm nominal 300 毫米 至1500毫米冲击高度	Drop height greater than 1500mm or by a center punch 高于1500毫米冲击 高度或中心冲击
A	No requirement 无要求	No breakage or breaks safel 无裂缝或安全破碎	Breaks safely or deforms 安全破碎或变形
B	No breakage or breaks safely 无裂缝或安全破碎	No breakage or breaks safel 无裂缝或安 全破碎	No requirement 无要

FRAGMENTATION TEST-MINIMUM PARTICLE COUN 碎片测试-最小 碎片数

Norminal glazing material thickness 厚	Minimum number of particles per square of 50mm side 每平方米边长50毫米最小碎 片 数
3	30
5	40
8	40
12	40

NOTE: There is no reference to particle count for 15mm, 19mm, 22mm, 25mm due to the lack of scientific data

**TESTING FOR SAFETY GLAZING MATERIAL 玻璃测试**

Test 测试	Glazing type 玻璃类型		
	Laminated safety glass 夹胶玻璃	Toughened safety glass 钢化玻璃	Heat-strengthened and toughened laminated safety glass 半钢化钢化夹胶玻璃



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Impact	冲击	x	x	x
Fragmentation	碎片	—	x	—
Boil	耐热	x	—	x
Weathering	气候	—	—	—
Ageing	时期	—	—	—

x:indicates test to be conducted

\* :For toughened safety glass an impact or fragmentation test shall be carried out

NOTE:Boil test for heat-strengthened and toughened laminated glass can use laminates from ordinary annealed glass manufactured simultaneously.

FLATNESS LIMITS FOR GLASS OF STANDARD NOMINAL THICKNESS  
钢化玻璃平整度要求

Standard nominal thickness	Bow 弯曲度		
	0 to 1500	1501 to 3000	3001 to 5000
3	1 in 200	1 in 150	—
4	1 in 200	1 in 150	—
5	1 in 300	1 in 200	1 in 200
6	1 in 350	1 in 250	1 in 200
8	1 in 400	1 in 300	1 in 250
10	1 in 400	1 in 300	1 in 250
12	1 in 400	1 in 300	1 in 250
15	1 in 400	1 in 300	1 in 250
19	1 in 400	1 in 300	1 in 250

NOTES:

1.Flatness measurements shall be checked against a straightedge with the panel standing 5°of vertical and measurement taken horizontally.

2. For non-standard glass thickness, interpolation will be required for all above.

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