



STANDARDS SPECIFICATIONS FOR THIN TEMPERED GLASS

Maximum sizes

Glass thickness	Maximum size
3mm	40" x 80"
4mm	48" x 96"
5mm	80" x 128"
6mm	86" x 144"

Maximum weight

Laurier retains the right to refuse all glass above 250 pounds

Standards

All glasses comply with the following international standards :

CAN/CGSB 12.1 M
ANSI Z97 -04
16 CFR 1201 II
ASTM C-1048 04

Visual glass inspection

Below is the procedure on how tempered glasses should be inspected

- Glass must be in a vertical position
- At a distance of approximatively 3 feet
- At an angle of 90 degrees
- Using daylight (without direct sunlight)

Point blemish

Size	
<0.50 mm	Allowed
≥ 0.50 et < 0.80 mm	Allowed with a minimum separation of 1500 mm (60 inches)
≥ 0.80	None allowed

How to measure point blemish size ?

The size of a blemish corresponds to the average of the two following dimensions: length and width of the blemish, including distortion.

Linear blemish

Blemish length	Detection distance of 1'
< 75 mm	Allowed with a minimum separation of 1500 mm (60 inches)
≥ 75 mm	None allowed

Chips

Depth	Allowed if chip depth is ≤ 25% of glass thickness
Width	Allowed if width is ≤ to the largest of the two following measures : 25% of glass thickness or 1.6 mm
Length	Allowed if ≤ to two time the chip width

Dimensional tolerances

Thickness	Thickness range		Length and width ± mm	Squareness* ± mm
	Min (mm)	Max (mm)		
mm				
3.0	2.70	3.40	2.0	2.0
4.0	3.80	4.20	2.0	2.0
5.0	4.57	5.20	2.0	2.0
6.0	5.56	6.20	2.0	2.0

**To measure squareness, measure the length of both diagonals (corner to corner) ; the difference between these two measurements shall not exceed the tolerances above*

These standard specifications can be revised depending on projects realized

These specifications are based on ASTM C1036-01 standards. The ASTM C1036-01 is internationally recognized by the glass industry and the north American manufacturers of glass as a reference.

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