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ASTM C1172 LAMINATED GLASS INSPECTION PROCESS

MAXIMUM ALLOWABLE PROCESS BLEMISHES

			Vertical Glazing Applications	
	Size up to 25 Sf		Size over 25 Sf	
	Central	Outer	Central	Outer
Bubbles	1/16"	3/32"	1/8"	3/16"
Blow In	N/A	CE 1/4"	N/A	CE 1/4"
		EE 1/16"		EE 1/16"
Hair/Lint	Light	Medium	Light	Medium
Dirt Spot	1/16"	3/32"	3/32"	5/32"
Short Interlayer	N/A	CE 1/4"	N/A	CE 1/4"
		EE 1/16"		EE 3/32"
Interlayer Scuff	Light	Medium	Medium	Medium

Imperfections must be separated by at least 12".

SIZE TOLERANCE FOR RECTANGLES INCLUDING EDGE MISALIGNMENT

Overall Thickness	Annealed	HS or Tempered
≤1/4"	+5/32", -1/16"	+7/32", -3/32"
1/4"≤1/2"	+1/4", -1/16"	+1/4", -1/8"
1/2"≤1"	+1/4", -1/8"	+5/16", -1/8"

For Exposed Edge applications with glass size under 25 sq. ft., maximum edge misalignment is 1/8". Over 25 sq. ft. determined on request.

CE – Covered Edge

EE – Exposed Edge

Central Area is the center 80% of the glass width and height.

LIGHT – Noticeable at 39" MEDIUM – Noticeable at 39", but not at 10 ft.

See Standard for Maximum Bow and Warp

See Standard for Allowable Blemishes in Skylights

See ASTM C 1036 for Allowable Glass and Glass Surface Blemishes

Viewing Conditions: Viewer position 90° to glass surface, daylight or uniform diffused background that simulates daylight. No direct sunlight.