

Quality Enclosures Tempered Glass Standards

Quality Enclosures Inc. conforms to ASTM C 1048 (Standard Specification for Heat Treated Glass).

- Safety glazing must be identified “CPSC 16 CFR Part 1201” or ANZI Z97.1” with a permanent label (LOGO) traceable to the producing plant
- Glass shall be inspected visually as per the ASTM standards of 10 feet for all architectural and exterior glass
- Glass shall be inspected visually at 6 feet for all shower door glass perpendicular from the surface in a well-lit area. If a light box is used as a light source, it shall be placed parallel to the glass at 6 feet.
- Glass dimension – (+/-) 1/16” on all tempered glass
- Notch / Hole Dimension – (+/-) 1/8” on all tempered glass
- Central viewing area – The middle of the glass more than 3 inches distant from the edge
- Allowable defects – central viewing area
 - a. Pinholes or debris < 1/32” with no more than 3 indications in a 12” circle
 - b. Hair-line scratches < 1” long with no more than 2 indications in a 12” circle
- Border area – The outer edge of the glass within 3 inches of the edge
- Allowable defects – Border Area
 - a. Pinholes or debris < 1/32” with no more than 5 indications in a 12” area
 - b. Hair-line scratches < 2” long with no more than 3 indications in a 12” area
 - c. Chips – polished edge = none allowable
 - d. Chips – Seamed edge or notch = no more than 3/32” in from edge and a maximum depth of less than half the thickness of the glass
 - e. Warp – 1/32” per 12” of glass

To reference ASTM’s full list of guidelines and standards, please visit www.astm.org

