

Heat Treated Glass

Heat-Treated Glass is a glass that has been processed through a tempering oven to increase its strength to resist impact, mechanical loads and thermal stress breakage. There are two distinct heat-treated glass products, heat strengthened and fully tempered. Heat-treated glass is ideal for Patio Doors, Entrance Doors, Storm Doors & Sidelites; Tub & Shower Enclosures; Commercial/Residential Windows, Fixed & Operable Windows; Displays, Partitions; Storefronts & Hand Railing.

Heat-Strengthened

Heat strengthened glass is approximately twice as strong as annealed glass of similar thickness and configuration. Heat-Strengthened glass generally fractures in a manner similar to annealed glass and tends to remain in the opening when broken. It is intended for general glazing where additional strength and/or resistance to mechanical and/or thermal stress are desired. Heat-strengthened glass is NOT a safety glazing product and therefore should not be used where safety glazing is required.

Fully Tempered (*Viking*)

Viking Manufacturing fully tempered glass is approximately four times stronger than annealed glass of the same thickness and configuration. When it is broken, tempered glass fractures into very small fragments that reduce the probability of serious injury as compared to annealed glass. Tempered glass meets all safety glazing standard, CPSC 16 CFR 1201. Because tempered glass fractures into small pieces, it tends to vacate the opening, when broken, more than heat-strengthened and annealed glass does.

Viking only uses fully Tempered Glass