

TEMPERED

Glass Enterprises, Inc. produces Tempered Glass under the name of Beta-Temp. Beta-Temp is a tempered safety glass meeting ANSI Standard Z97.1 for safety glazing and the Consumer Public Safety Commission standard 16 C.F.R.-1201 (CII). Fully tempered glass is approximately four times stronger than annealed glass and allows the glass to tolerate greater resistance to thermal stress and other uniform loads.

HEAT STRENGTHENING

Heat strengthening approximately doubles the strength of glass from its annealed state. Unlike tempered glass, this product, when broken, produces larger particle sizes. Heat strengthened glass should not be used when safety glazing is required.

Heat strengthening is valuable when used where the potential for thermal stress is high – i.e. spandrels, skylights, atriums, etc. Furthermore, the use of heat strengthened glass, is additional to resisting most thermal stress and wind loads, is that, if broken, the pieces tend to remain in the framing system until removed.

TEMPERING CAPABILITIES

Maximum Size – 82” x 142”

Thickness Range – 3/16” – 3/4”