



Designation: C 1048 - 04

Standard Specifications for Heat-Treated Glass – Kind HS, Kind FT Coated and Uncoated Glass

5. Intended Use

5.1 *Kind HS* – Heat strengthened glass is generally twice as strong as annealed glass of the same thickness and configuration. When broken, the fragments are generally similar to that of annealed glass. Intended for general glazing when additional strength is desired but not requiring the strength of fully tempered glass.

Note 1 – Caution: Monolithic heat-strengthened glass is not suitable for safety glazing as defined by ANSI Z97.1 or CPSC 16 CFR 1201.

5.2 *Kind FT* – Fully tempered glass is approximately four times as strong as annealed glass of the same thickness and configuration. When broken, by impact, fully tempered glass fractures into relatively small pieces meeting safety glazing requirements thereby greatly reducing the likelihood of serious cutting or piercing injuries in comparison with ordinary annealed glass. Fully tempered glass is intended for use in applications where its strength or safety characteristics may be required. For some applications, such as doors used for passage, tub and shower enclosures and fixed glass in close proximity to walking surface, fully tempered glass is required by building codes and ordinances. It is often used for other applications where the properties of fully tempered glass are desirable such as table tops, counter tops, show case enclosures and similar applications.