



Quality Standards Summary

Glass products fabricated by United Plate Glass Company meet the following standards and specifications:

Primary Float Glass--Meets the requirements of ASTM C 1036, Standard Specification for Flat Glass, including: Type 1, Class 1, Quality q3 for clear glass; and Type 1, Class 2, Quality q3 for tinted glass.

Heat Treated Glass—Meets the requirements of ASTM C 1048, Standard Specification for Heat Treated Flat Glass, for Condition A, B, or C; Quality q3, and Kind FT (Fully Tempered) or Kind HS (Heat-Strengthened). Unless otherwise noted, all fully tempered glass meets the safety glazing requirements of ANSI Z97.1, Class A; and CPSC 16 CFR 1201 Category II. UPG's tempered products are certified through the Safety Glazing Certification Council (SGCC), which serves as a third party independent sponsor for overseeing of safety glazing certification and product testing. Heat treated products have a Limited Warranty from UPG for a period of ten (10) years.

Coated Glass—Meets the requirements of ASTM C 1376, Standard Specification for Pyrolytic and Vacuum Deposition Coatings. Coated glass has a Limited Warranty for a period of ten (10) years, provided by the coating supplier.

Insulating Glass—Meets the requirement of ASTM E2190 (supersedes ASTM E774, level CBA). UPG's insulated products are certified through the Insulating Glass Certification Council (IGCC), which serves as a third party independent sponsor for overseeing of insulated glass certification and product testing. Insulating glass units are comprised of two lites of glass, separated by a dehydrated airspace, with a primary seal of poly isobutylene (PIB), and a secondary seal of silicone or polyurethane (as specified). UPG is a certified member in the PPG Certified Fabricator® program and the Guardian Select™ Fabricator program. Insulating glass products have a Limited Warranty for a period of (10) Years.

Spandrel Glass—Meets the requirement of ASTM C1048 for Condition B, Kind HS (Heat Strengthened) or Kind FT (Fully Tempered) for ceramic frit coating. Spandrel glass products have a Limited Warranty for a period of Five (5) Years.

Laminated Glass—Meets the requirement of ASTM C 1172 Standard Specification for Laminated Architectural Flat Glass. Laminated glass also complies with ASTM C 1036, and when heat-treated, with ASTM C 1048. A Limited Warranty for a period of Five (5) Years is available for laminated glass with a PVB interlayer.