



## **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.