

Quality Standards

GG 002—2015-02-23

Glass products fabricated by Trulite Glass & Aluminum Solutions™ 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. The primary float glass manufacturer will be one of the following: PPG, Guardian, Pilkington.

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. Trulite'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 Trulite 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. These include PPG, Guardian, Pilkington.

Insulating Glass—Meets the requirement of ASTM E2190 (supersedes ASTM E774, level CBA). In the case of argon filled IG units, meets ASTM E2190 with tested results of 90% before, 80% after accelerated 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. Most Trulite plants carry certification to 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 fritted coating. Spandrel glass is also available with Opaci-Coat® 300. Both products have a Limited Warranty for a period of Five (5) Years. Neither coating is recommended for 2nd or 3rd surface application in an insulating glass unit.

Laminated Glass—Meets the requirement of ASTM C 1172 *Standard Specification for Laminated Architectural Flat Glass*. When comprised of two plies of glass and a 0.030" or thicker Interlayer, Trulite's laminated glass also meets the safety criteria of CPSC 16 CFR 1201, Category II; and ANSI Z97.1, Class A. 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.