



Certificate of Product Compliance

Customer:

Project:

Raw glass purchased by Viracon for our glass products meets the requirements of ASTM C 1036 Standard Specification for Flat Glass (supersedes FS-DD-G-451d). Viracon's products will be fabricated with transparent flat glass of Type 1, Class 1 (clear) or Class 2 (tinted), quality q3.

Heat treated glass components fabricated by Viracon meet the requirements of ASTM C 1048 Standard Specification for Heat-Strengthened Flat Glass (supersedes FS-D-G-1403). We will provide: Kind HS for heat strengthened glass; Kind FT for fully tempered glass; Condition A for uncoated glass; Condition B for spandrel glass and Condition C for coated glass. All fully tempered glass meets the safety glazing requirements of ANSI Z97.1-2009 and CPSC 16 CFR 1201 Categories I and II. Our tempered products are certified by the Safety Glazing Certification Council (SGCC) which serves as our third party independent testing agency. Surface compression for heat strengthened glass with a thickness of 1/4" (6mm) or less is 4,000-7,000 psi (31.0-48.3 Mpa). Surface compression for 5/16" (8mm) or 3/8" (10mm) heat strengthened glass is 5,000-8,000 psi (34.5-55.2Mpa). Because of reader repeatability and measuring instrument variances, Viracon's tolerance for heat-strengthened glass surface compression is + or - 1,000 psi (6.9Mpa).

All laminated glass manufactured by Viracon meets the requirements of ASTM C 1172 Standard Specification for Laminated Architectural Flat Glass. In addition our laminated glass (minimum of .030" pvb interlayer) meets the safety glazing requirements of ANSI Z97.1-2009 and CPSC 16 CFR 1201 Categories I and II.

All vacuum deposition (sputter) coated glass manufactured by Viracon meets the requirements of ASTM C 1376 Standard Specification for Pyrolytic and Vacuum Deposition Coatings on Glass.

Viracon's standard insulating units are constructed with a primary seal of polyisobutylene and a secondary seal of silicone. While more than 90% of Viracon's insulating glass units are fabricated with 4 bent corners and butyl injected straight key joints (maximum of 4), some may be fabricated with a butyl-spliced corner key. Viracon's insulating glass units are certified through the Insulating Glass Certification Council (IGCC) to ASTM E 2190 in accordance with ASTM E 2188 and E 2189 (which supersede the class CBA level standards in ASTM E 773 and E 774).

Viracon's heat soaked glass lites meet the requirements of a 100% heat soak program for fully tempered (FT) glass that is consistent with the EN 14179-1 standard (290°C +/-10°C) for a dwell time of two hours.