VIRACON®

Certificate of Product Compliance

Customer:

Project:

Raw glass purchased by Viracon for our glass products meets the requirements of ASTM C1036 Standard Specification for Flat Glass. Viracon's products will be fabricated with Type I—Transparent Flat Glass, Class 1—Clear or Class 2—Tinted, Quality-Q3.

Heat treated glass components fabricated by Viracon meet the requirements of ASTM C1048 Standard Specification for Heat-Strengthened and Fully Tempered Flat Glass. 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 Z97.1-2015 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 (31.0-48.3Mpa). 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 C1172 Standard Specification for Laminated Architectural Flat Glass. In addition, our laminated glass (minimum of .030" pvb interlayer) meets the safety glazing requirements of ANSI Z97.1-2015 and CPSC 16 CFR 1201 Categories I and II.

All glass with vacuum deposition (sputter) coatings manufactured by Viracon meets the requirements of ASTM C1376 Standard Specification for Pyrolytic and Vacuum Deposition Coatings on Flat Glass.

Viracon's insulating units with aluminum or stainless spacers are constructed with a primary seal of polyisobutylene and a secondary seal of silicone. While more than 90% 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 units with Viracon Thermal Spacer (VTS™) are constructed with a primary seal of the VTS and a secondary seal of silicone. Viracon's insulating glass units are certified through the Insulating Glass Certification Council (IGCC) to ASTM E2190 Standard Specification for Insulating Glass Unit Performance and Evaluation in accordance with ASTM E2188 Standard Test Method for Insulating Glass Unit Performance and E2189 Standard Test Method for Testing Resistance to Fogging in Insulating Glass Units. Viracon sightline calculations are in accordance with ASTM C1249 Standard Guide for Secondary Seal for Sealed Insulating Glass Units for Structural Sealant Glazing Applications.

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Viracon's heat soaked glass is fully tempered then heat soak tested in an oven and subjected to temperatures of 500°F±18°F (260°C±10°C) in accordance with EN 14179-1 for a dwell time of two hours.