

## CERTIFICATE OF PRODUCT COMPLIANCE

TECHNICAL BULLETIN: TB004-02052019

**Primary Float Glass** purchased by Vitrum meets the requirements of ASTM C1036 Standard Specification for Flat Glass. Vitrum's products will be fabricated with transparent flat glass of Type 1, Class 1 (clear) or Class 2 (tinted), quality Q3.

**Coated Glass** purchased by Vitrum meets the requirements of ASTM C1376 Standard Specification for Pyrolytic and Vacuum Deposition Coatings. Vitrum is a certified fabricator of the Vitro Certified Fabricator Network, Sunguard® Certified Fabricator Program and Saint-Gobain.

**Heat Treated Glass** components fabricated by Vitrum meet the requirements of ASTM C1048 Standard Specification for Heat-Treated Flat Glass – Kind HS, Kind FT Coated and Uncoated Glass. All fully tempered glass meets the safety glazing requirements of ANSI Z97.1-2015 and 16 CFR 1201 Categories II. Vitrum's tempered products are certified by the Safety Glazing Certification Council (SGCC) which serves as their third party independent testing agency.

**Heat Soaked Glass** lites fabricated by Vitrum 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.

**Laminated Glass** fabricated by Vitrum meets the requirements of ASTM C1172 Standard Specification for Laminated Architectural Flat Glass. Our laminated glass ( $\geq .030$ " PVB interlayer) meets the safety glazing requirements of ANSI Z97.1-2015 and 16 CFR 1201, Categories II.

**Spandrel Glass** fabricated by Vitrum meets the requirements of ASTM C1048 for Condition B, Standard Specification for Heat-Treated Flat Glass – Kind HS, Kind FT for ceramic frit coatings. Spandrel glass is also available with Opaci-Coat 300®. Opaci-Coat 300® is not recommended for third surface applications.

**Insulating Glass Units** fabricated by Vitrum are by default constructed with a secondary seal of polysulfide. Silicone sealant is alternatively available upon request. The majority of Vitrum's insulating glass units are fabricated with four bent corners and butyl-spliced corner key(s). Vitrum's insulating glass units are certified through the Insulating Glass Certification Council (IGCC) and the Insulated Glass Manufacturers Alliance (IGMA) certification program to the following standards: ASTM E2190, ASTM E2189 and CGSB 12.8. Vitrum's argon filled insulated glass units meet or exceeds the minimum initial and final average argon gas concentration level of 90% and 80% respectively, as required for the IGMA Certification Program.