

## CERTIFICATIONS FOR GLASS THICKNESS, QUALITY AND TYPES

1. **Primary Float** annealed glass as supplied by Oldcastle Glass meets the quality requirements of ASTM C1036 (supersedes Federal Spec DDG-451d) Standard Specification for Flat Glass, for Type 1, Class 1 for clear, Class 2&3 for tints and Quality q3 Glazing. Suppliers to Oldcastle Glass include PPG, Pilkington, Visteon, AFG and Guardian.
2. **Tempered** glass at the time of sale by Oldcastle Glass, meets the quality and strength requirements of ASTM C 1036 (supersedes Federal Spec DDG-451d) and ASTM C 1048 (supersedes Federal Spec DDG-1403b and c) for Condition A, Quality q3, and Kind FT (fully tempered). Oldcastle Glass tempered glass also meets the safety criteria of CPSC 16 CFR 1201 Categories 1 & 2 and ANSI Z97.1 and qualifies as the glazing material for use in hazardous locations. Tempered glass will have a permanent logo affixed in a corner indicating its compliance with the safety glazing codes.
3. **Heat-strengthened** glass at the time of sale by Oldcastle Glass meets the quality and strength requirements of ASTM C 1036 and ASTM C 1048 Specifications for Condition A, Type 1, Class 1 for clear, Class 2&3 for tints, Quality q3 and Kind HS (heat-strengthened).
4. **Laminated** glass, (0.030" PVB or thicker interlayer with two lites of glass) as supplied by Oldcastle Glass also meets the safety criteria of CPSC 16 CFR 1201 Categories 1 & 2 and ANSI Z97.1. Laminated glass also complies with ASTM C 1036, ASTM C 1048 when heat-treated, and ASTM C 1172 Standard Specification for Laminated Architectural Flat Glass.
5. **Ceramic enamel spandrel** glass as supplied by Oldcastle Glass meets the ASTM C 1048 Specification for Condition B, Kind FT (fully tempered) or Kind HS (heat strengthened) The specified color is fused onto and made an integral part of the glass surface. **Opacicoat® 300** spandrel glass also meets the ASTM C 1048 Specification for Kind FT (fully tempered) or Kind HS (heat strengthened).
6. **Insulating glass** units supplied by Oldcastle Glass are listed as CBA Certified Products by the IGCC (Insulating Glass Certification Council), as tested in accordance with ASTM E 546, E 576, E 773 and E 774 Standards. Insulating glass units as supplied by Oldcastle Glass will consist of two lites of glass separated by a dehydrated airspace and dual-sealed with a polyisobutylene primary sealant, and either a two-part silicone or a two-part polysulfide secondary sealant.
7. **Warranty:** Oldcastle Glass produces five (5) and ten (10) year limited warranty insulating glass units. Oldcastle Glass offers five (5) year limited warranties for laminated and spandrel glass.