



## FABRICATED GLASS CERTIFICATION

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### Flat Glass Products

Flat glass provided by Columbia Commercial Building Products conform to *ASTM C 1036 Standard Specification for Flat Glass*. Transparent flat glass products, *Type 1, Class 1 and 2* are provided at *quality level Q3*. *Type II, Class 1 and 2* provided at *quality level Q5* with form, finish, mesh and pattern as specified. Glass dimensional tolerances will fall within nominal guidelines listed in table 2. Additional industry guidelines or governmental regulations apply to specific products listed herein and if applicable permanently marked on individual components indicating compliance.

### Coated Glass, Pyrolytic CVD and Vacuum MSVD

Fabricated glass products with thin film coatings designed to alter solar or emissive properties conform to *ASTM C 1376 Standard Specification for Pyrolytic and Vacuum Coated Glass Products*.

### Heat Treated Glass

All heat-treated glass products conform to *ASTM C 1048 Standard Specification for Heat Treated Flat Glass, Kind HS, Kind FT. Coated and Uncoated*.

- **Kind HS or heat-strengthened** glass is produced with surface compression of 3500-7500 psi. Heat-strengthened glass is NOT a safety glazing product.
- **Opaque Spandrel Coatings, Ceramic Frit, Condition B, ASTM C 1048.**
- **Fully Tempered** glass with logo complies with *ANSI Z 97.1 2009 and CPSC 16 CFR 1201* as safety glazing material, as required by participation in the SGCC – Safety Glazing Certification Council.

### Insulating Glass

All insulated glass products conform to *ASTM E 2188 and ASTM E 2190* as required by participation in the IGCC 2005 – Insulated Glass Certification Council. These standards replaced the *ASTM E 773 ~ 774 CBA* tiered system in 2005 as the Council moved to the Harmonized Insulated Glass Standards for North America – HIGS.