General
ProVia’s DC insulated glass is standard tempered in all Entry Door applications and complies with ASTM E 2190 Insulated Glass and ASTM C1048 Tempered Glass Specifications.

Standard Construction
DC glass is comprised of 2 sheets of 1⁄8” thick clear tempered glass utilizing one 3⁄4” thick Super Spacer® E-Class) giving the insulated glass unit an overall thickness of 1”. The standard construction method is an 1⁄8” tempered clear pane of glass lined with a Super Spacer (E-Class) and followed with an 1⁄8” tempered clear pane of glass. The IGU unit is then sealed with a Bostik 5197® hot-melt butyl sealant on all perimeters.

Super Spacer
Super Spacer (E-Class) is extruded as a flexible organic foam warm edge spacer. Its polymer EPDM (ethylene-propylene-diene-monomer) is well-known in the industry for its excellent resistance to ozone, weathering, water and aging, while maintaining its flexibility through wide changes in temperature and barometric pressure.

With its multi-layer vapor barrier and acrylic adhesive, Super Spacer (E-Class) provides optimal thermal performance. Its all foam construction is 950 times less conductive than aluminum spacer systems, resulting in its industry-leading condensation resistance.

Super Spacer (E-Class) complies with ASTM E2188, ASTM E2189, and ASTM E2190.