General
ProVia’s DLA 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
DLA glass is comprised of 2 sheets of \( \frac{1}{8} \)" thick tempered glass utilizing one \( \frac{3}{4} \)" thick Super Spacer® (E-Class) giving the insulated glass unit an overall thickness of 1". The standard construction method is an \( \frac{1}{8} \)" tempered pane of glass with Low-E coating on Surface #2 lined with a Super Spacer (E-Class) and followed with an \( \frac{1}{8} \)" tempered clear pane of glass. The IGU Unit is then placed into a chamber where the Argon gas is inserted into the cavity providing a typical initial gas fill of 90%. After the Argon gas has been inserted, the entire insulated glass unit is then sealed with a Bostick® 5197 hot-melt butyl sealant on all perimeters. The low emissity coating on Surface #2 is a double layer of Silver.

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 superior Argon gas retention and 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.