

High-Performance Polycarbonate Glazing: Today's Translucent Technology

Why Choose Polycarbonate?

Because you want to make the most of the exploding market in green building. A market where high-performance daylighting is a key component in energy-efficient buildings that integrate diffused natural light to contribute to the health, well-being and productivity of their occupants.

From clerestories to curtain walls to canopies to interiors, high-performance polycarbonate makes it possible. Duo-Gard's Prostock Program makes it easy. Over-the-counter ease in ordering, installation and support. Over-the-top performance in energy efficiency and sustainability.

With our Prostock Program, you'll bring your customers all the benefits of polycarbonate's aesthetics, economy, flexibility and performance.

Green Benefits Mean Green Profits for You

Advances in polycarbonate technology have resulted in a material that maintains its color and clarity. It's self-extinguishing in a fire, enhancing safety for a building's occupants. Its benefits are recognized around the world in applications for commercial, educational, government and sports facilities.

- Unlimited design flexibility
- Unprecedented occupant satisfaction
- Wide range of aesthetic possibilities
- Backlighting and cavity lighting accommodation
- Enhanced sustainability in building envelope
- Lower life-cycle operating costs
- Easy field fabrication for contractors

We'll help you take advantage of these benefits to expand your markets right now.

Superior Sustainable Performance Enhances Your Projects

Polycarbonate is not a cheap substitute for glass. It's glazing in a class by itself. In various thicknesses and structural capacities, multiwall polycarbonates transmit 60% to 80% natural light that projects 30% deeper into a space without glare and heat gain.

- 200 times stronger than glass at 1/6th the weight
- Wider spans with lighter support; single sheets to 24' long
- Superior structural capacity
- Shatterproof security and safety with low maintenance
- High R-values up to 5.26, U-values down to 0.19
- Minimal glare and solar gain for lower operating costs
- Aesthetic curves without heat

Today's advanced materials, coupled with Duo-Gard's expertise, ensure your success.

Polycarbonate Requires Special Considerations

We want your experience with our Prostock systems to be as effortless and effective as possible, so we'll point out a couple things for those unfamiliar with polycarbonates. These systems are dry-glazed and cannot be framed like glass. Polycarbonate expands and contracts, requiring framing that accommodates this by allowing it to "float" in the frame. Duo-Gard's framings are specifically built for this. Despite its high strength, polycarbonate is susceptible to scratching, a point to remember in its applications. However, new textures now minimize this.

The UV-protected side of a polycarbonate sheet, plainly designated, must face outward to gain its benefit.

We're here to help. Take advantage of it. We want you and your projects to be successful.