

## Solid Polycarbonate Sheets

**Q.** How should I store my polycarbonate sheets before installation?

**A.** Store indoors in a well-protected, ventilated area. Keep out of direct sunlight. If sheets are stored outside, cover with an opaque, heat-reflecting material to prevent heat buildup.

**Q.** How do you cut solid polycarbonate sheets?

**A.** Cut with standard tools used for cutting metal and wood. A fine-tooth circular or hand saw is recommended for best results. While cutting, the sheet should be supported close to the cut and held firmly to prevent vibration and movement of the sheet. Always wear safety glasses!

**Q.** How should I drill into my polycarbonate sheets?

**A.** Standard wood-working drill bits may be used for drilling holes. Drill bits designed for drilling plastics work best. It is recommended to drill a small pilot hole first to help locate the drill.

**Q.** Do polycarbonate sheets expand in heat and/or contract in cold?

**A.** Yes. Always pre-drill holes slightly larger than the fastener to allow for expansion and contraction with changes in temperature.

**Q.** Is there a glue that I can use to bond two pieces of polycarbonate together?

**A.** Yes. An epoxide glue is recommended. End results are nearly invisible with good adhesion and strength. Always check compatibility with manufacturer. Regular solvents may cause crazing.

**Q.** How do you clean polycarbonate sheets?

**A.** Blow off loose dust and dirt. Clean with a mild detergent and soft cloth. Rinse with clean water. Abrasive cleaning agents and glass window cleaners should be avoided. They may chemically attack sheets.

**Q.** Is solid sheet polycarbonate as clear as glass?

**A.** Transparent polycarbonate solid sheets offer excellent optical clarity and light transmission.

**Q.** How strong is polycarbonate in comparison to glass?

**A.** Solid sheet polycarbonate has an impact strength up to 250 times greater than that of glass.

**Q.** What is the difference between solid sheet polycarbonate and multiwall polycarbonate sheets?

**A.** Solid polycarbonate is a continuous sheet of polymer with no internal cavities. While multiwall polycarbonate is characterized by a rectangular hollow structure 'flutes' that run the length of the sheet.