

Looking for polycarbonate sheets in Stevenage? Then Meridian Building Plastics is the place to visit!

Our extremely lightweight multiwall polycarbonate sheets are incredibly strong and superbly safe. Each variation is UV protected on one side by the process of co-extrusion, preventing UV damage to skin, plants or furniture.

This is a great material to build a conservatory roof, canopies or skylights. Polycarbonate greenhouse glazing is also said to be more beneficial to plants and vegetables than standard glass because of the way in which the light is diffused.

All of our polycarbonate sheets at Stevenage's Meridian Building Plastics have a wide temperature range, meaning they're safe to use in temperatures ranging between -40°C to 120°C. They also provide effective insulation against heat and cold. With a high impact resistance, high architectural versatility, and excellent structural properties, they are still exceptionally easy to handle and install. These polycarbonate sheets have a good fire resistance with no emission of toxic gases. We're so confident that your polycarbonate panels will stand the test of time that each one comes with a 10-year warranty!

This material can be used for a wide range of jobs as it is available in a large range of thicknesses. The thicker the sheet, the better its thermal resistance. Here are some examples of the different polycarbonate sheet thicknesses required for some common projects.

- 4mm - Good for cold frames and cloches.
- 6mm - Greenhouse glazing. Great for internal use when creating displays and vertical glazing.
- 10mm - Great for Covid 19 screens and partitions, canopies and carports.
- 16mm - Good for some lean-to roofs, and perfect for pergolas, canopies and carports.
- 25mm - Suitable for a lean-to roof, canopies and atriums.
- 35mm - Conservatory roofs and industrial roofing.

Whilst the thickness of the sheeting affects how much light is transmitted through it, an important factor to also consider is the colour of the polycarbonate sheet:

- Clear polycarbonate: Allowing for 58% – 85% of light transmission.
- Opal polycarbonate: Limiting light transmission to 20% – 48% through this sheeting.
- Bronze polycarbonate: The darkest variation for light transmission, with 20% – 35% of light passing through.
- Sunlite Solar Control polycarbonate: Creating a cool climate, SOLARSMART Technology is perfect for a sunroom in use all year-round. They also offer more energy-saving than others and they allow for a high light transmission whilst blocking heat.

Meridian Building Plastics stocks both Sunlite and Marlon ST products, including the higher protection levels of the Sunlight Smart and Sunlite SLT, meaning you'll find no better range of polycarbonate sheets in Stevenage anywhere else!

