



Polycarbonate- A Modern Transparent Steel

Polycarbonate combines a number of features, allowing a wide range of uses. This highly versatile and durable material is the answer to virtually all of the designer and contractor's security and glazing needs. Polycarbonate is also machinable and is used in a variety of tough and durable applications.

Polycarbonate is a very advanced polymer. It offers a combination of properties: strength, transparency, it is light weight, flexible, durable and it has strong thermal properties and good fire resistance.

Polycarbonate is virtually as transparent as glass (80% LT Approx.), 200 times stronger than float glass and nearly half the weight. In addition to all of these features, Polycarbonate can be bent either hot or cold. Polycarbonate's resistance to breakage qualifies it as the best existing glazing thermoplastic material available, with impact resistance that is virtually impervious to hammer blows, stones etc.

Polycarbonate is suitable for use in areas exposed to vandalism. As is evident in many buildings displayed in the brochure. Polycarbonate constitutes a breakthrough in both design concept and construction methods. The sheets are manufactured to comply with European standard specifications.

Built-In UV Protection and UV Resistance

Polycarbonate sheets have a co-extruded, co-extruded UV protective layer, while Polycarbonate UV2 offers co-extruded UV protective layer on both sides. This dramatically improves their durability and compliance with outdoor appliances.

Available Sheet Sizes:

Sheet Thickness (mm)	3050 X 2050mm	2050 X 1525mm	2440 X 1220mm
3, 4, 5, 6, 8, 10	✓	✓	
3, 4, 5, 6	✓	✓	✓
2, 3, 5 (Opal White)	✓	✓	
3 (Stipple)	✓	✓	
4, 6 Bronze	✓	✓	

