

Plastic Materials for School Barrier Shields and Partitions



Safely reopen schools while protecting students, teachers, staff, and visitors

Curbell Plastics supplies quality materials used to create barrier shields and partitions for schools. Public and private schools and universities are taking precautions to combat the spread of COVID-19 and provide a safe learning environment. They are retrofitting their buildings with protective solutions made from durable plastic materials to help facilitate social distancing.

Acrylic, PETG, and polycarbonate sheet are plastics commonly used for clear protective panels, safety shields, and sneeze guards in schools. Acrylic has the highest level of transparency. PETG is the most flexible, and polycarbonate has the greatest toughness and durability.

Twinwall and multi-wall polycarbonate panels are attractive, durable, and impact resistant. They are lightweight and easy to fabricate and install making them a good choice for walls and desk dividers.

Expanded PVC sheets are lightweight, durable, and easy to fabricate using ordinary woodworking tools. When installed in metal frames, expanded PVC is an ideal material for wall partitions and work stations. Chemically resistant and available in grades that meet UL 94 V-0 flammability standards, expanded PVC is available in a wide variety of colors and thicknesses.

Material selection, expert advice

Our plastic material experts have experience working with contractors, school maintenance departments, and district procurement professionals. Contact Curbell Plastics today to discuss your application requirements.



TYPICAL APPLICATIONS:

- Cafeteria sneeze guards
- Desk barrier shields
- Desk dividers
- Lunch table dividers
- Safety partitions
- Wall partitions
- Workstations

COMMON MATERIALS:

- Acrylic
- Expanded PVC
- Fluted polypropylene
- HDPE
- PETG
- Polycarbonate
- Twin wall polycarbonate

BENEFITS OF PLASTICS FOR PROTECTIVE BARRIERS:

- Promote social distancing between students, faculty, and staff
- Durable and impact resistant
- Lightweight
- Easy to clean and disinfect
- Easy to fabricate



Multiwall polycarbonate panel made from Macrolox® products.

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