

## High Strength

Stronger than structural steel on a pound-for-pound basis. Has been used to form the superstructures of multistory buildings, walkways, sub-floors and platforms.

## Lightweight

Pultrusions are 20-25% the weight of steel and 70% the weight of aluminum. Pultruded products are easily transported, handled and lifted into place. Total structures can often be preassembled and shipped to the job site ready for installation.

## Corrosion/Rot Resistant

Pultruded products will not rot and are impervious to a broad range of corrosive elements. This feature makes pultrusions a natural selection for indoor or outdoor structures in pulp and paper mills, chemical plants, water and sewage treatment plants, structures near salt water and other corrosive environments.

## Non-Conductive

Glass reinforced pultrusions have low thermal conductivity and are electrically non-conductive.

## Electro-Magnetic Transparency

Pultruded products are transparent to radio waves, microwaves and other electromagnetic frequencies.

## Dimensional Stability

The coefficient of thermal expansion of pultruded products is slightly less than steel and significantly less than aluminum.

## Parts Consolidation

Custom designed pultrusions allow multiple discrete parts to be designed and fabricated into a single part thus reducing the number of fabricated parts and the need to join these parts together.

## Low Temperature Capabilities

Glass fiber reinforced pultrusions exhibit excellent mechanical properties at very low temperatures, even -70° F. Tensile strength and impact strengths are greater at -70° F than at +80° F.

## Aesthetics

Pultruded profiles are pigmented throughout the thickness of the part and can be made to virtually any desired custom color. Special surfacing veils are also available to create special surface appearances such as wood grain, marble, granite, etc.