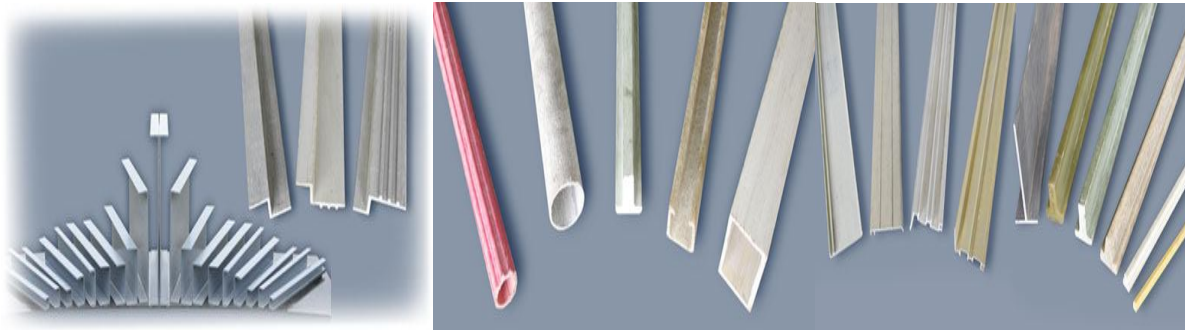


## Structural Shapes



The very nature of Fiberglass, allow it to be used as an alternative to steel. It is very easy to assemble and can be cut, moulded, etc. as per specifications. The "FibrTuf" structural profiles are a combination of fiberglass reinforcements and thermosetting polyester or vinyl ester resin systems. It is produced in 51 varieties / plateholder / standard shapes.

All " FibrTuf " shapes have a surface veil to protect against glass fibers penetrating the resin surface in service and to increase corrosion and UV resistance of the material surface.

### **FibrTuf structural profiles product range includes:**

- Structural I-Beams
- Channels
- Angles
- Sheets & Panels
- Custom Profiles

Pultruded FRP products have a low Modulus of Elasticity when compared to Steel. Hence, designers need to Increase the Moment of Inertia of the Product, for designs based on deflections, as in Steel. However, for designs not based on deflection criteria the following chart will show the superiority of COMPOSITES when compared to Steel and other conventional materials

**Some of the industries where FibrTuf fiberglass structural shapes and plates are used in :**

- Electrical utility
- Transportation
- Chemical Processing
- Cellular communication
- Consumer / Recreation
- Building construction
- Oil and gas
- Aeronautical defence
- Appliances / equipment

