

ENGINEERING THE FUTURE IN COMPOSITES



Scope of Shapes

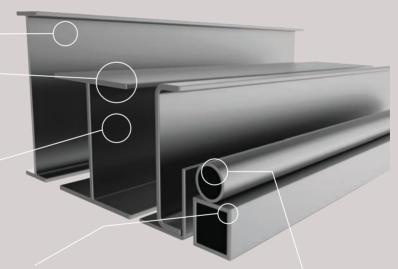
Easy integration to various parts due to the capability to essentially shape any item with a constant cross section which can be pultruded.

Composite Design Engineering

A standard shape customised into a pultrusion by modifying the resin or reinforcement to achieve a particular customer need.

Optimising Resins

Standard resins can be modified or special resins can be used to maximise performance of the pultrusion in challenging environments, such as those found in high temperature or extremely corrosive areas. Typical resins include polyesters, vinylesters, PVC, epoxies, phenolics, urethanes and blends.



Choice of Reinforcements

The type, form, placement and quantity of reinforcements can be customised to optimise economy, develop ascribed strength and create or enhance other physical characteristics of a pultruded part. Typical reinforcements used include glass orcarbon fibres in multifilament strands, mat (long fibres held together with a resinous binder) or stitched fabrics.

Core Materials Options

Treadwell provides a range of core material options with comprehensive experience in pultruding over various materials including foam, balsa, polyethylene and aluminium.

Structural Design & Analysis

Our experienced team of engineers and designers can help conceptualise your design and maximise all FRP structural components to offer the most cost effective and simplest solution.





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ArchitEX™ Range		
C Channel	I-Beam	WF-Beam
Double Web Beam	Unequal Leg Angle	Equal Leg Angle
Square Hollow Section	Rectangular Hollow Section	Circular Hollow Section
Circular Round Bar	Solid Bars	Embedment Angle

Please refer to the ArchitEX™ product guide for more information.