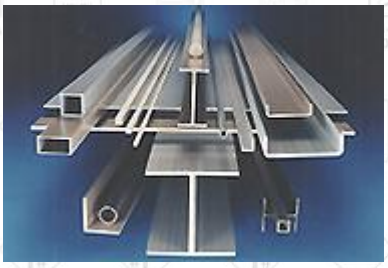
SignMark® Signs

Manufacturing Responsibly

FRP Posts

THI Sign Posts are made using a process called "Pultrusion" where fibreglass matt and roving are pulled through a bath of catalyzed resin and a die system that forms it into the shape required. THI uses pultrusion systems that can pull at high pressure and can accommodate product profiles of almost any cross section.

The current sign infrastructure uses posts that are 2 inches by 2 inches and the pultrusion system produces these in 2 or more lines through the pultrusion system at the rate of 4 feet per minute minimum. Posts can be produced to any length and standard saws used to cut it to size. The 2 inch by 2 inch profile fits existing post boot infrastructure.



THI's Pultrusion capability, with the addition of new guides and dies, is able to produce any post cross section; square, round and also the overhead multi-panel sign "J" sections.

The advantages of THI FRP Posts over the existing "Telespar" steel posts, apart from the fact that they are approximately 75% lighter and 20% stronger by weight, can be seen overleaf and in the table below.

Material Characteristic	THI Pultrusions	Extruded Aluminum	Steel
Strength to Weight	High	High	High
Thermal Conductivity	Low	High	High
Expansion & Contraction	Low	High	Medium
Corrosion &/or Chemical Resistance	High	Medium	Low
Electrical Conductivity	Low	High	High