



CREATIVE
PULTRUSIONS

Decking / Flooring / Grating / Panel Products /



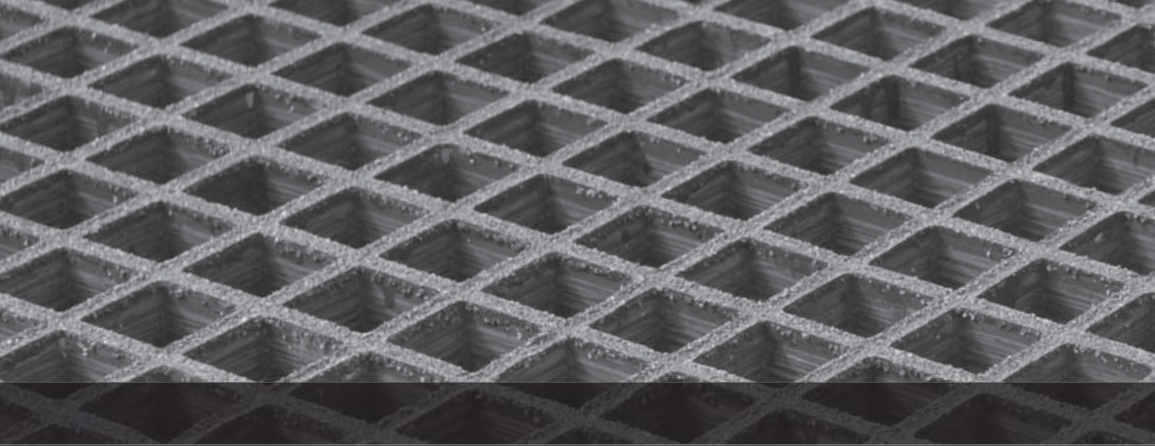


PHOTO COURTESY OF ULTRA FIBERGLASS SYSTEMS



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THE COMPANY /

Creative Pultrusions, Inc., (CPI) is the world leader in pultrusion manufacturing. Our commitment to continuous process improvement and to become "Best in Class" has transformed CPI into a world renowned pultruder that specializes in pultruding large custom profiles, while utilizing high performance resins in combination with CPI's proprietary high pressure injection process.

Our quality process is based on a strong commitment to continuous improvement in products, service, operations and client satisfaction. It all adds up to the kind of manufacturing experience you would expect from a world-class pultruder that never settles for status quo. CPI can take your project from concept to production. Our staff of talented engineers combined with over 38 years of pultrusion experience makes CPI the right choice to serve you!

OUR HISTORY /

Over the course of 38 years, CPI transitioned into the company it is today. In September of 2008 CPI was acquired by Hill & Smith Holdings PLC (HS), a global leader in the design, manufacture and supply of infrastructure products, galvanizing services and building and construction products.

HS has sales of over \$700 million. Headquartered in the UK and quoted on the London Stock Exchange, HS employs some 3,300 staff across 54 sites, principally in the UK, France, USA, Thailand and China.



Why you should specify Creative's decking, flooring, grating and panel products /

Pultruded profiles and systems are specified and purchased extensively to provide the lowest cost solution and the lowest cost of ownership for critical structures around the globe. The superior corrosion resistance and light weight attributes combined with:

- LOWEST INSTALLED COST
- SUPERIOR STRENGTH
- LOW MAINTENANCE
- EASE OF INSTALLATION
- HIGH DIELECTRIC STRENGTH
- LOW EMBODIED ENERGY "GREEN"
- EASE OF FABRICATION

Makes it easy to see why so many engineers and owners are taking advantage of Decking, Flooring, Grating and Panel Products.

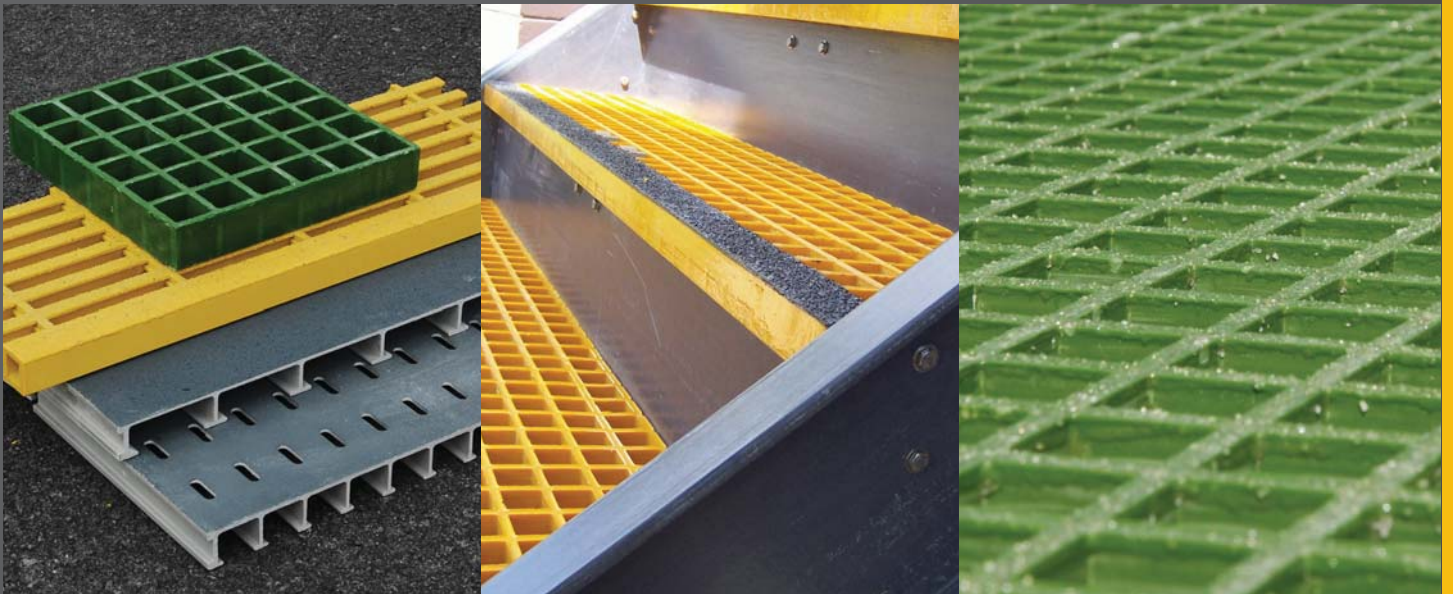


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Resin selections /

Creative offers three standard resin systems for the decking, flooring, grating and panel products:

- ISOPHTHALIC POLYESTER (I)
- ISOPHTHALIC POLYESTER FIRE RETARDANT (IFR)
- VINYL ESTER FIRE RETARDANT (VFR) >

Proper resin selection is based on the service conditions of your asset and should include the temperature, humidity, chemical environment, and the pH of the liquid or gas in contact with the pultruded profiles. The design dead load as a percentage of the ultimate load should also be considered in the resin selection process. Proper resin selection is paramount to ensuring a long service life of your asset. Creative, with the aid of their resin supplier, provides an extensive list of chemical compatibilities for selecting the proper resin for your project. Visit our web site for the most up to date chemical compatibility chart.

Creative manufactures their profiles with a 10 mil surfacing veil. The surface veil creates a resin barrier that is made up of 75% resin. The resin layer enhances the long term performance of the pultruded product in harsh chemical environments.

Vinyl ester (VE) Resins are based on bisphenol-A epoxy resin. VE resins provide resistance to a wide range of acids, alkalis, bleaches and solvents for use in many chemical environments. They also offer excellent toughness and fatigue resistance. Isophthalic Polyester (I) resins pultrusions are manufactured for corrosion related applications.

I display excellent structural properties and are resistant to acids, salts, and many dilute chemicals at moderate temperatures. They perform well in acidic environments; however, I pultrusions are not



FIRE RETARDANT DECKING, FLOORING, GRATING AND PANEL PRODUCTS PERFORM TO A CLASS 1 FIRE RATING OF 25 OR LESS PER ASTM E-84 AND ARE SELF EXTINGUISHING PER ASTM D-635.

recommended for caustic or alkaline environments. The pH should be kept below 10.5. Oxidizing environments usually present limitations.

Special colors and resins are available where architectural, chemical, temperature, flame, smoke and toxicity may dictate that our standard systems will not meet your criteria. Creative's highly skilled engineering team can put together an engineered solution to fit your application.

THE PULTRUSION PROCESS /

Pultrusion is a continuous manufacturing process utilized to make composite profiles with constant cross-sections whereby reinforcements, in the form of roving and mats, are saturated with resin and guided into a heated die. Once in the die, the resin undergoes a curing process known as polymerization. The once resin saturated reinforcements exit the die in a solid state and in the form of the cross section of the die. The pultrusion process requires little labor and is ideal for mass production of constant cross section profiles.

