



Strong



Rust Proof



HIGH STRENGTH  
TO WEIGHT  
RATIO



Flame  
Resistant



LONG  
SERVICE LIFE



UV  
Resistant

# FRP PULTRUDED PROFILES

# Engineered Alternatives to Steel, Built for the Future

EDGE PRO by CREO Composites is our specialized service for sourcing and designing FRP (Fiber Reinforced Polymer) structural profiles—a high-performance substitute for steel, aluminum, and wood in aggressive environments. With decades of industry insight and a strong global supplier network, we deliver precision-engineered profiles that combine strength, durability, and corrosion resistance across diverse applications.

## Our Services Include

### Profile Design & Resin Consultation

Tailored solutions based on load requirements, resin selection (isophthalic, vinyl ester, phenolic), and custom geometries for optimal performance.

### Access to High-Performance Formulations

Resins engineered for UV stability, chemical resistance, and fire retardancy, depending on end-use conditions.

### Structural Integration Support

We assist in integrating FRP profiles into marine, industrial, and infrastructure frameworks—offering technical guidance and compliance checks.

## Comparison and Benefits vs. Traditional Metal Profiles:

Feature	EDGE PRO FRP Profiles	Traditional Metal Profiles
Weight	Up to 75% lighter, easier to handle	Heavy, requiring more labor and equipment
Corrosion Resistance	Excellent; immune to rust, chemicals, and saltwater	Prone to rust and corrosion without coatings
Maintenance	Minimal maintenance, no painting needed	Requires regular painting and anti-corrosion treatments
Electrical Properties	Non-conductive and non-magnetic	Conductive and magnetic, unsuitable for some applications
Durability	Resistant to chemicals, UV, and weather	Vulnerable to corrosion and environmental damage
Installation	Faster installation due to lightweight and customizable profiles	Slower, often requiring heavy machinery and welding
Lifecycle Cost	Lower due to reduced maintenance and longer lifespan	Higher due to upkeep, repairs, and corrosion issues
Fire Resistance	Available phenolic resin options for fire safety	Usually requires additional fireproof coatings

## Ideal Applications

- Infrastructure & Civil Engineering
- Power Generation & Substations
- Petrochemical & Process Plants
- Marine & Offshore Platforms
- Manufacturing & Assembly Units
- Green Buildings & Smart Construction

## Why **EDGE PRO**?

- ➔ Lightweight and easy to handle
- ➔ Rust-proof, rot-proof, and electrically non-conductive
- ➔ High strength-to-weight ratio
- ➔ Compatible with custom fabrication and modular builds
- ➔ Reduced lifecycle costs compared to metal

## Looking for structural profiles that last longer and perform better?

Let CREO Composites help you engineer the next generation of sustainable structures.

### Contact Us

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