

Tuff Span™ FRP Building Products

Lasting Solutions for Challenging Conditions

FRP Roofing & Siding Panels

- Opaque or Translucent
- Life Cycle Cost Savings

End users love the outstanding service and life cost savings Tuff Span™ building panels deliver. In addition to long service life, the maintenance free, FRP cladding panels from Enduro Composites dramatically improve facilities and work conditions.

FRP Structural Shapes

- Primary & Secondary Framing
- Long Span Capability

Tuff Span™ FRP Flanged Tube Beams are designed for long span and high load capability plus corrosion resistance. The tubular shapes enhance lateral stability and eliminate the need for cross bracing. Standard shapes include channel, angle, tube, wide flange, and flat plate sections.

FRP Roof Deck

- Support for Membrane & Built-Up Roofing
- No Maintenance

Tuff Span™ FRP roof deck offers a long term solution for building owners with 1) corrosion protection for roof systems; 2) protection from falling deck particles for workers, equipment, and finished product; 3) elimination of costly maintenance and roof replacements.

FRP Form Deck

- Opaque or Translucent Panels
- FM and UL Certifications

Chemical exposure can attack concrete slabs, steel form deck, and reinforcing bars. As a permanent form, Tuff Span FRP Deck is a long-term, corrosion barrier for the underside of slabs. In addition, the corrosion resistant, form deck provides safety for personnel and equipment located below from falling particles that can occur from deteriorated steel decking.

FRP Louvers & Ridge Vents

- Fixed or Adjustable Openings
- Wide Range of Sizes

Tuff Span FRP Ventilation Units from Enduro provide effective air flow and long, service life for applications with challenging conditions. Offered in a wide range of sizes, the fiberglass reinforced plastic ventilators are designed for effective moisture drainage plus high wind conditions.

FRP Gutter & Downspout

- Adjustable to Roof Slope
- Durable

Tuff Span fiberglass reinforced plastic gutter systems provide effective moisture drainage and long, service life for applications with demanding, environmental conditions. Designed with a continuously-hinged flange that pivots to fit any roof pitch and eliminate the need for individual hangers or brackets.

FRP Building Structures

- Total Corrosion Resistant Solution
- RF Transparent

With complete, pre-engineered FRP structures, Enduro Composites offers a total corrosion resistant building solution. The non-metallic, FRP structures are also ideal for applications that require minimal radio frequency interference.



Tuff Span™ FRP Roof & Wall Panels

Lasting Solutions for Challenging Conditions

Roofing & Siding • Roof & Form Deck

- Lower Life Cycle Cost • Better Appearance

End users love the outstanding service and life cost savings Tuff Span™ building panels deliver. In addition to long service life, the maintenance free, FRP materials from Enduro Composites dramatically improve facilities and work conditions.

Superior Strength

- Hurricane Proven • Walkable Roof Option • Leak Protection

Tuff Span™ glass fiber reinforced plastic panels are stronger than PVC, polycarbonate, or chopped strand materials. With high content of continuous glass fiber reinforcements, aligned for optimum performance, the panels have superior strength and stiffness. This results in leak protection and lower installation cost. Providing worker safety, Tuff Span™ Series 450 is the industry standard for walkable, FRP roofing.

Corrosion Resistance + UV Protection

- Long Service Life • No Maintenance

Tuff Span™ materials do not corrode in facilities with continuous wet or tough chemical exposures. Its premium, isophthalic polyester and vinyl ester resin systems ensure long, maintenance-free, service life. Retention of aesthetic properties and extended UV protection is provided by its exterior acrylic polymer coating and UV stabilized resin system.

Product Options

- Opaque or Translucent Panels • FM and UL Certifications

Panels are available in a wide range of opaque colors and profiles. The panels are also furnished in translucent colors with natural light transmitting properties. Materials are offered in different classifications including UL Class I Flame Spread and FM Approval for various certification and building code requirements.

