8 TUFF SPAN FACTS YOU NEED TO KNOW

➢ Q: Are Tuff Span building panels the strongest FRP material?
A: Yes, based on equal product weight comparisons.

-For higher strength and stiffness, Tuff Span PFR panels typically have 15-20% more reinforcing content than woven and 40% more than chopped strand materials.
-The straight, continuous, bi-directional alignment utilized in Tuff Span is the most efficient means for load transfer as compared to randomly dispersed chopped fibers or bent, woven fibers.

➢ Q: Are Tuff Span FRP roofing panels safe for foot traffic?
A: Yes, depending on the Tuff Span panel selected and the span distance between supports.

-Heavier and stronger. Tuff Span panels such as Series 450 and 400 roofing and Tuff Span deck panels are safe for foot traffic.
-Enduro sales engineers should be consulted for foot-traffic safety guidelines.

➢ Q: Are Tuff Span translucent panels as strong as Tuff Span opaque materials?
A: Yes, for the same Tuff Span panel profile and series.

➢ Q: What fire protection classifications apply to Tuff Span?
A: Tuff Span panels have FM and UL Classifications for fire protection.

-FM Global Standard 4880: Tuff Span cladding panels have FM Class 1 rating for unlimited heights and without automatic sprinkler requirements.
-UL/ULC Flame Spread Rating: Class 1 flame spread and smoke development per ASTM E 84.
-ULC S134: Tuff Span FM panels have been tested and certified for this testing.
-Other fire protection testing and certifications for Tuff Span panels include ASTM E108, ASTM D-635, and others.

➢ Q: Does Tuff Span offer better UV protection than alternative FRP materials?
A: Yes, Tuff Span has additional means of UV protection.

-Tuff Span includes an optimum amount of UV inhibitors and stabilizers within the material.
-For extended color retention, Tuff Span exterior cladding has a factory-applied, acrylic polymer surface coating.

➢ Q: What is the expected service life for Tuff Span?
A: Tuff Span service life has exceeded 25 years in conditions that include hurricane winds and aggressive chemical exposure.

➢ Q: What is the recommended deflection limit for a FRP panel?
A: Up to L/180 as the project budget allows.

-Tighter and more conservative, deflection limits result in a more rigid and weather-tight structure.
-For cladding panels, L/60 is the maximum allowable deflection by the International Building Code.

➢ Q: What does the Tuff Span family of FRP building products include?
A: Structural shapes, louvers, ridge vents, gutter, roof deck, form deck, flashings, accessories, in addition to roofing and siding.