

Resin Selection

Delta Composite Structures manufactures pultruded grating in a variety of resins, each with its own unique performance characteristics. The resin selection is paramount in determining the corrosion resistance of the finished product. Please consult the Delta Chemical Resistance Guide for assistance in selecting the proper resin for your application, or call Delta's toll-free telephone number, 866-361-2100 for technical assistance.

Delta's resin designations are comprised of two components: the resin type and its ASTM E-84 flame spread rating.



DeltaSpan™ VEFR-25 is a premium vinyl ester resin with a flame spread rating of 25 or less. DeltaSpan™ VEFR-25 pultruded grating is our most chemical resistant resin. Designed to withstand the harshest chemical environments over a broad range of acids and caustics, it is primarily used in petrochemical, waste water, mining, and plating applications where the grating is subject to frequent and direct contact with harsh chemicals. The standard color is yellow, but it is also available in dark gray.

DeltaSpan™ IFR-25 is a premium isophthalic polyester resin with a flame spread rating of 25 or less. DeltaSpan™ IFR-25 pultruded grating provides an intermediate level of chemical resistance and is the correct resin choice for grating subjected to splash and spill contact with harsh chemicals, and is a very good general purpose resin at a reduced cost compared to the premium vinyl ester resin. The standard color is yellow, but it is also available in dark gray.

