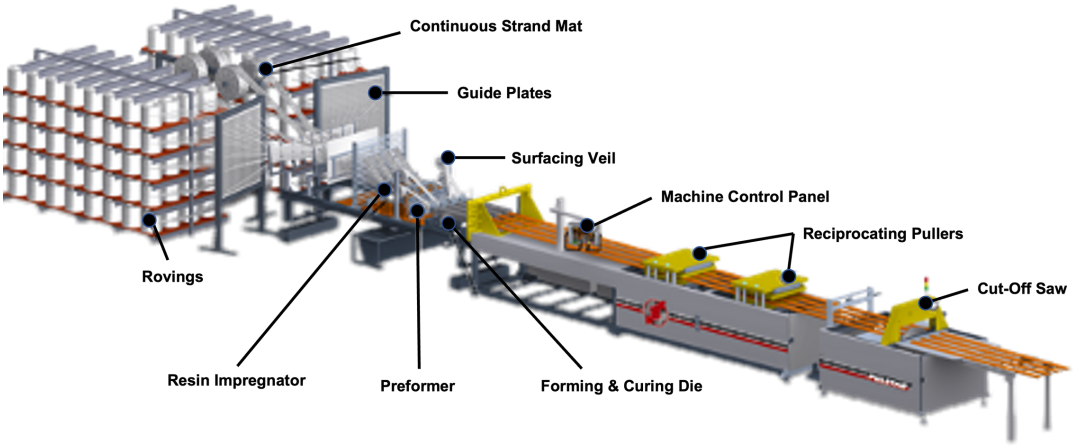
NexgenPlank

What is Fiberglass Reinforced Polymer?

Fiberglass Reinforced Polymer (FRP) is most often referred to simply as "fiberglass." Used in this context, "fiberglass" is a composite consisting of a polymer resin matrix reinforced by embedded glass fibers. The strength of a fiberglass part is determined primarily by the type, orientation, quantity, and location of the glass fibers within the composite.

What is Pultrusion?

Pultrusion is a manufacturing process for producing continuous lengths of reinforced polymer structural shapes with a constant cross-section. The process involves pulling the raw materials, a liquid resin mixture, and reinforcing glass fibers through a heated steel forming die using a continuous pulling device.



Benefits of NexgenPlank

Reduced Maintenance Costs
Fiberglass corrosion resistance means that the need for routine painting, repair, and replacement is virtually eliminated. Therefore, life-cycle costs are significantly lower than traditional materials.

No Heavy Lifting or Welding
Fiberglass is lightweight and requires less equipment, workers, and time to install. Also, NexgenPlank can be fabricated with standard carpentry tools, workers reduce their risk of on-site injuries and downtimes associated with traditional materials and installation equipment.

Aesthetically Durable
NexgenPlank withstands weathering and intense use, providing long-lasting appeal. Once installed, NexgenPlank requires minimal maintenance.

Safer for Construction Workers
NexgenPlank is electrically non-conductive and can be manufactured with non-skid surfaces to provide a safe work environment for employees.

Features of NexgenPlank

High Strength
Stronger than structural steel and timber on a pound-for-pound basis. Used for building structures, platforms, etc.

Light Weight
Weighs approximately XX-XX% less than steel and XX% less than wood. This translates to lower transportation costs, easier installation, and less weight in structural designs.

Corrosion-Resistance
NexgenPlank's patented process ensures complete reinforcement saturation. NexgenPlanks fiberglass planks have been used for indoor and outdoor applications at chemical and treatment plants, and in many other construction-related environments

Low Conductivity
NexgePlank is an excellent insulator, fiberglass has low thermal and electrical conductivity, making it a popular choice for electrical applications.

To learn more visit: www.nexgenplank.com Contact us 817-329-4994 3355 Raider Drive, Ft. Worth, TX 76262