

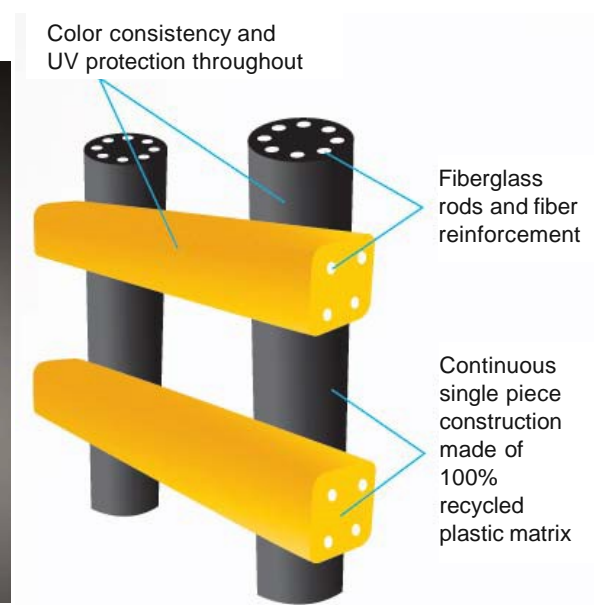
Reinforced Structural Recycled HDPE Plastic Lumber



Reinforced Structural Recycled HDPE Plastic Lumber

Composition

Reinforced structural recycled HDPE plastic lumber is manufactured in a process utilizing blended glass fiber and recycled plastic HDPE, which encapsulates full-length fiberglass reinforcement rods. This process establishes uniform structure and composition throughout the product. In addition to superior rigidity and strength, it features high impact resistance, and energy absorption. It can be manufactured using the molded or extruded process and is available in various bar diameters and quantities. It is best suited for projects that require long spans, structural loading, and impact resistance.



Reinforced Structural Recycled HDPE Plastic Lumber



Features and Applications

Performance features of reinforced structural recycled HDPE plastic lumber include:

- Continuous single piece construction
- Color consistency throughout entire cross-section and length
- Superior UV and abrasion resistant protection
- Textured exterior provides high-end finish
- High impact resistance and energy absorption characteristics offered in reinforced and non-reinforced products to fit application strength requirements
- Resistant to extreme marine environments, e.g., temperature variations and salt water
- Marine borer resistant
- Environmentally friendly requiring no chemical preservatives
- Standard construction tools used for installation and machining
- Standard marine colors (yellow and black) and custom colors available

Reinforced structural recycled HDPE plastic lumber is suitable for retaining walls, pedestrian bridges, guide walls, marine fenders, wales and piles, etc.

Reinforced Structural Recycled HDPE Plastic Lumber



Sample Installation Considerations (refer to manufacturer's guidelines)

- 1. Cutting:** It is recommended to use a chain saw with a carbide tipped chain. Use a chain saw with a rated horsepower of at least 7HP and with a 20" bar length. Use a carbide tipped chain to fit a 20" bar length. Carbide tips are brittle; any contact with the ground or other objects may shatter or dull the tips. Saws and chain should be kept clean between cuts. Blowing out residue from the cut and the saw cavities helps prolong chain life.
- 2. Drilling/Counter Boring:** It is recommended to drill a through hole of sufficient diameter for easy passage of the mounting hardware. If it is desired to recess the head or nut and/or washer of the hardware below the surface of the timber, a counter bore bit of sufficient diameter to make the recessed hole should be used. Most counter bore bits will require drilling a pilot hole, and the use of a counter bore bit with a pilot attached that fits the diameter of the pilot hole to guide the boring. The pilot hole can be of sufficient diameter for use with the mounting hardware. Standard high-speed steel twist drills are suitable for drilling most through holes or pilot holes for the mounting hardware. Avoid drilling through rebar if possible.