

SECTION 471

PLASTIC FENDER SYSTEM COMPONENTS

471-1 Description.

Construct fender systems using plastic components in accordance with the Contract Plans and Design Standards.

471-2 Materials.

Meet the following requirements:

Structural Plastics.....Section 973

471-3 Construction Details.

Protect materials at all times against exposure to extreme heat or impact. Transport Structural Plastic in a manner that will minimize scratching or damage to the outer surfaces, stack on dunnage above ground so that it may be easily inspected and store in a manner that will avoid damage. Handle and lift Structural Plastic with nylon slings. Do not use sharp instruments in handling the product. Structural Plastic damaged in shipping or handling will be rejected.

Structural Plastic sections containing cracks in the reinforcing rods or cracks, partial or full depth, across the section or splits will be rejected.

Cut, bevel, drill, countersink and otherwise install Structural Plastic in accordance with the manufacturer's recommendations. Set all material accurately to required levels and lines, with members plumb and true and accurately cut and fitted. Securely attach all materials to substrate by anchoring and fastening as shown on the plans. Perform all cutting and drilling in a manner that allows for the collection of all debris and dispose of properly.

Install piles in accordance with Section 455. After driving, cut off piles at the elevation shown on the plans to a tolerance of +0.0"/-2.0" using sawing or other means as approved by the Engineer to provide a smooth level cut.

471-4 Method of Measurement.

The quantity of dimensional fiberglass fiber reinforced lumber, fiberglass structurally reinforced composite lumber to be paid for will be the plan quantity, in feet board measure, computed based upon the dimensions shown in the plans. The quantity of fiberglass structurally reinforced composite piles to be paid will be the length in feet furnished and driven to the authorized lengths, as approved by the Engineer.

471-5 Basis of Payment.

Price and payment will be full compensation for the work specified in this Section including all material, storage costs, disposal of unused material and waste, transportation costs, labor, equipment, fasteners and other necessary items required for completing the work. No separate payment will be made for plates, bolts, screws or other hardware necessary to complete the work.

Price and payment for Plastic Fender System Components including fiberglass structurally reinforced composite piles will be full compensation for all labor, equipment and materials required to furnish and install the piles to the elevation shown in the plans. No separate payment will be made for pile cut-offs. Plastic Fender System Components including fiberglass structurally reinforced composite piles to be paid for under Section 455.

Payment will be made under:

Item No. 471-1

Plastic Marine Lumber – MB.