

211 – GEOFOAM LIGHTWEIGHT EMBANKMENT FILL

SECTION 211

GEOFOAM LIGHTWEIGHT EMBANKMENT FILL

211.1 DESCRIPTION

Provide and install the geofoam lightweight expanded polystyrene (EPS) fill at the embankment locations shown in the Contract Documents.

BID ITEM

Geofoam-Fill

UNITS

Cubic Yard

211.2 MATERIALS

Provide materials that comply with the applicable requirements.

Concrete	SECTIONS 401 & 402
Aggregates for Concrete Not On Grade	SECTIONS 1102
Geofoam Lightweight Embankment Fill	DIVISION 1700

211.3 CONSTRUCTION REQUIREMENTS

Fabricate the expanded polystyrene in standard sizes that are typically 4-foot wide by 2.5-foot thick by 8 to 16-foot long blocks. Trim the blocks prior to arriving at the job site with a uniformly even surface with a tolerance of ¼ inch in 10 feet.

Cut the blocks using a saw unless alternative cutting methods have been approved by the Engineer. Provide temporary weighting and guying down of the lightweight material as required until all blocks are built into a homogeneous mass.

Construct the geofoam-fill in successive layers of blocks with the block's long axis alternating by 90° and offsetting blocks by half their widths to prevent the continuation of joints within the polystyrene mass.

Connect the polystyrene blocks with gripper plates. Place gripper plates between horizontal layers of geofoam as required.

Do not damage the EPS during construction or storage. Protect the EPS from petroleum based solvents, flame, and other ignition sources. Do not expose the EPS to direct sunlight. Keep the expanded polystyrene covered with a light-colored opaque tarp.

211.4 MEASUREMENT AND PAYMENT

The geofoam-fill will be measured by the cubic yard.

Payment for "Geofoam-Fill" at the contract unit price is full compensation for the specified work.