

SECTION 514 PLASTIC FILTER FABRIC (GEOTEXTILE)

514-1 Description.

Install a plastic filter fabric.

514-2 Material.

Meet the plastic filter fabric requirements as specified in Section 985.

514-3 Construction Methods.

514-3.1 General: Place the fabric in the manner and locations as shown on the construction drawings, in accordance with the manufacturer's directions, and as specified in these Specifications. Place the fabric on areas with a uniform slope that are reasonably smooth, free from mounds and windrows, and free of any debris or projections which might damage the fabric.

Loosely lay the material. Do not stretch the material. Replace or repair any fabric damaged or displaced before or during placement of overlying layers to the satisfaction of the Engineer and at no expense to the Department.

When overlapping is necessary, the Contractor may sew the seams to reduce overlaps as specified in 985-3.

Schedule work so that covering the fabric with the specified material does not exceed the manufacturer's recommendations for exposure to ultraviolet light or five days, whichever is less. If the Engineer determines the exposure time was exceeded, the Contractor shall replace the fabric at no expense to the Department.

514-3.2 Subsurface Drainage: When indicated in the plans, place the fabric with the long dimension parallel to the trench. Place the fabric to provide a minimum 12 inch [300 mm] overlap for each joint. Do not drop the filter material from heights greater than 3 feet [900 mm].

514-3.3 Stabilization and Reinforcement: Overlap adjacent strips of fabric a minimum of 2 feet [600 mm].

514-3.4 Riprap Filter: Overlap adjacent strips of fabric a minimum of 24 inches [600 mm], and anchor them with securing pins (as recommended by the manufacturer) inserted through both strips of fabric along a line through the midpoint of the overlap and to the extent necessary to prevent displacement of the fabric.

Place the fabric so that the upstream (upper) strip of fabric overlaps the downstream (lower) strip.

Stagger vertical laps a minimum of 5 feet [1.5 m]. Use full rolls of fabric whenever possible in order to reduce the number of vertical laps.

Do not drop bedding stone or riprap from heights greater than 3 feet [900 mm] onto the fabric.

514-4 Method of Measurement.

When separate payment is indicated in the plans, the quantity to be paid for will be the area, in square yards [square meters], of plastic filter fabric placed excluding all laps, completed and accepted.

When no separate payment for furnishing and placing the plastic filter fabric is contained in the proposal, the Contractor shall include the cost of all work in the Contract price for the item or items to which it is incidental.

514-5 Basis of Payment.

Price and payment will be full compensation for all work specified in this Section, including furnishing, placing, and sewing or overlapping the fabric.

Payment will be made under:

Item No. 514- 71- Plastic Filter Fabric - per square yard.
Item No. 2514- 71- Plastic Filter Fabric - per square meter.