
Part 1 GENERAL

1.1 Related Work

- .1 Refer to other Specification Sections for related information.
- .2 Refer to Section 01 33 00 for Shop Drawing/Submissions requirements.

1.2 References

- .1 ASTM D4595-11, Standard Test Method for Tensile Properties of Geotextiles by the Wide-Width Strip Method.
- .2 CAN/CGSB-4.2 No. 42-M, Textile Test Methods.
- .3 CAN/CGSB-148.1 No 14-M, Methods of Testing Geotextiles and Geomembranes.
- .4 ASTM D4751-16, Standard Test Methods for Determining Apparent Opening Size of a Geotextile.

1.3 Mill Certificates

- .1 At least two weeks prior to start of work, furnish *Departmental Representative* with copies of mill test data and certificate that filter fabric delivered to job site meets requirements of this section.

1.4 Approval

- .1 Obtain written approval of *Departmental Representative* for filter fabric before installation of material in work.

1.5 Measurement for Payment

- .1 Filter fabric will be considered incidental to the work.

Part 2 PRODUCTS

2.1 Materials

- .1 Synthetic fiber: rot proof, unaffected by action of oil or salt water and not subject to attack by insects or rodents.
 - .2 Fabric: nonwoven polyester and/or polypropylene fabric.
 - .3 Seams: sewn in accordance with manufacturer's recommendations.
 - .4 Physical properties: to ASTM D4595, CAN/CGSB-4.2 No. 42, CAN/CGSB-148.1 No 14 and ASTM D4751;
 - .1 Tensile Strength 900 N
 - .2 Tear Strength 360 N
 - .3 Elongation at break 50%
 - .4 Filtration Opening Size = 100 - 80um.
 - .5 Permeability = 2×10^{-1} cm sec.
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Part 3 EXECUTION

3.1 Preparation of Base

- .1 Fine grade area to be covered with filter fabric to a uniform surface area. Fill depressions with suitable material.

3.2 Placing Filter Fabric

- .1 Place filter fabric on prepared surface loosely from top of the slope to the bottom allowing fabric to conform easily to contours of the slope.
- .2 Allow one (1) metre of fabric for overlapping and anchoring purposes, 700 mm at the top and 300 mm at the bottom of the slope.
- .3 Longitudinal seems will have a minimum of 450 mm overlap and will be pinned every 600 mm with 100 mm nails.
- .4 Anchor top of fabric at 1 metre intervals with 15mm diameter steel rods 600 mm in length. Anchor bottom of fabric by folding fabric and placing fill on top.
- .5 Place granular base material over filter fabric to a depth of 200 mm. No equipment will be permitted on fabric.

END OF SECTION
