



Triangular Silt Dike

Technical Data Sheet

The Triangular Silt Dike's innovative patented design provides effective sediment control with fast and easy installation. It is made with lightweight and durable materials and weighs just 7-9lbs per seven foot section. The protective aprons on either side of the barrier prevents both erosion and failure of the structure. The aprons are attached to the ground and held in place with U-shaped wire staples, helping the Triangular Silt Dike to conform to rough terrain.

The dikes shall be used as a continuous line barrier at the toe of a slope or R/W line to contain sediment or as a ditch barrier placed perpendicular to the flow of water in a defined drainage ditch to minimize erosion and contain sediment. These dikes shall be installed and located as soon as construction will allow or as directed by the Engineer.

Triangular Silt Dikes shall be triangular-shaped, having a height of at least eight to ten inches (8" - 10") in the center with equal sides and a sixteen- to twenty-inch (16" - 20") base. The triangular-shaped inner material shall be urethane foam. The outer cover shall be a woven geotextile fabric placed around the inner material and allowed to extend beyond both sides of the triangle two to three (2' - 3') feet. Standard length of each dike will be seven feet (7') unless otherwise indicated on the plans.

Geotextile Fabric Specifications		
Fabric Properties	Test Method	Average
Grab Tensile Strength	ASTM D 4623	180/105 lbs
Grab Elongation	ASTM D 4623	20/12%
Trapezoid Tear	ASTM D 4533	85/75 lbs
Puncture	ASTN D 4833	70 lbs
Mullen Burst	ASTM D 3786	325 psi
Permittivity	ASTM D 4491	0.25 sec -1
Apparent Opening Size	ASTM D 4751	40 US Sieve
UV Resistance (500 hours)	ASTM D 4355	80+%
Urethane Foam (CFC Free) Specifications		
Property	Test Method	Value
Color		Any
Density	ASTM D 3574-95	1.00+/- .1 lbs/cu. ft. min or
Indent. Force Deflection	ASTM D 3574-95	30 +/- 3 lbs / 50 sq. in.
Tensile Strength	ASTM D 3574-95	10 psi min
Elongation	ASTM D 3574-95	125% min
Tear Resistance	ASTM D 3574-95	1.25 lbs/ linear in.
Comp. Set @ 50% comp.	ASTM D 3574-95	10% max

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