SILT FENCE

Backed

SMARTfence® HD – Wire Backed Silt Fence Alternative

SMARTfence® HD is designed to replace silt fence with wire or chain-link backed supports. Compared to traditional wire backed silt fence, SMARTfence® HD is more cost effective to install and its tensile strength exceeds that of chain-link fence. SMARTfence® HD is manufactured with post-tensioning chords and is engineered to withstand hydrostatic pressures associated with ponding water as well as the hydrodynamic forces associated with overtopping during storm events. Posts and wire ties sold separately.

Property	Test Method	MARV
Wide Width Tensile Strength Composite Fence*	ASTM D-4595	>5,900 lbs/ft (Mean = >6,300 lbs/ft)
Elongation of Composite Fence Including Tensioning Chords and Straps		<12%
Tensile Strength Tensioning Tendon/Chord	ASTM D-5035	>1,700 lbs per Tensioning Tendon/Chord
CBR Puncture – Black Geotextile	ASTM D-6241	>820 lbs
Mullen Burst – Black Geotextile	ASTM D-3786	>470 lbs/in²
Trapezoidal Tear – Black Geotextile	ASTM D-4533	>130 lbs (MD) x >100 lbs (TD)
Apparent Opening Size – Black Geotextile	ASTM D-4751	Sieve No. 40 to 70
Water Flux/Permittivity – Black Geotextile	ASTM D-4491	75 gpm/ft² (>1.0sec-1)
UV Stability	ASTM D-4355	>98% Strength Retained
Roll Width (ft)		3 ft x 100 ft

** Composite fence testing includes synergistic strength properties of black fabric and reinforced straps w/ tensioner chords together*

***MD = Machine Direction; TD = Transverse Direction*

Testing performed by TRI Environmental, Austin, TX. The information presented herein, is to the best of our knowledge, true and accurate. No warranty or guarantee expressed or implied is made regarding the performance of any product, since the manner of use and handling are beyond our control. Nothing contained herein is to be construed as permission or as a recommendation to infringe on any patent.

For more information about materials from Erosion Supply, contact inside sales at 865-673-3427 or visit us on the web at www.erosionsupplytn.com

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