

SMARTfence® 36

SMARTfence

High-Tensile/High-Modulus Woven Geotextile Sediment Fence

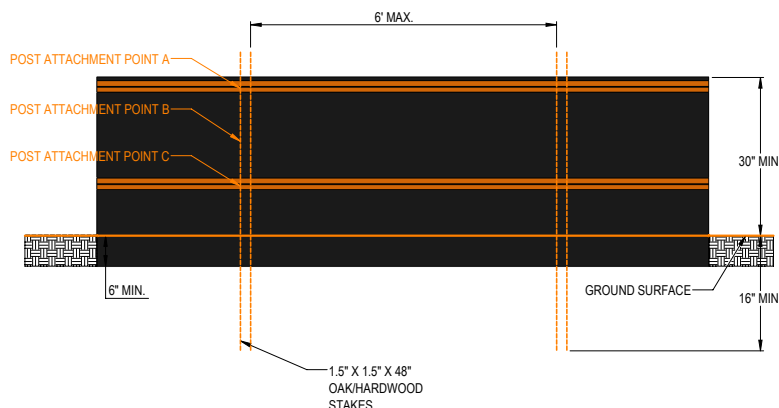
SMARTfence® 36 is a heavy-duty, high-tensile/high-modulus, woven geotextile sediment fence. Designed using a value engineering approach, it is equivalent in strength and stiffness to that of wire or chain-link backed silt fence for less money, significantly lower carbon emissions and less material waste.

The woven geotextile fence is specifically designed and fabricated to withstand high-tensile stresses and to prevent excessive material elongation and strain. It is built to resist fence deflection and ultimate failure due to ripping, sagging, or overturning from forces associated with excessive backwater depths, debris flows and overtopping.

SMARTfence® 36 is a 100% American made product.



NTPEP Compliant | GTX-2018-01-188



ADVANTAGES

- No wire or chain-link backing necessary
- High-tensile / high-modulus - able to resist fence deflection and failure
- Reduced labor costs

The below table shows a comparison of 14-gauge wire-backing fence and 12.5 gauge chain-link fence structural characteristics versus Smartfence® 36. The Modulus of Elasticity is a measure of material stiffness.

Structural comparisons between wire and chain-link backing versus SMARTfence® 36

	14-GAUGE WIRE FENCE 2"x4" mesh	12.5 GAUGE CHAIN-LINK FENCE 2 3/8" mesh	SMARTfence® 36 (MARV)
Average Breaking Tensile Strength (lb/ft)	710 (Average)	1,930 (Average)	>4,300 (MARV)
Average Modulus of Elasticity (lb/ft)	2,600 lengthwise 19,400 widthwise	9,422 lengthwise 7,600 widthwise	>39,000 lengthwise >32,000 widthwise

PRODUCT SPECIFICATIONS

TEST METHOD	MINIMUM AVERAGE ROLE VALUES (MARV)	TEST METHOD	MINIMUM AVERAGE ROLE VALUES (MARV)
Wide Width Tensile Strength (ASTM D 4595)	>4,300 lbs/ft - MD x >2,900 lbs/ft - TD	Mullen Burst (ASTM D 3786)	>850 psi
Wide Width Test Elongation (ASTM D 4595)	<11% - MD x <9% - TD	Apparent Opening Size (ASTM D 4751)	Sieve No. 50
Grab Tensile Strength (ASTM D 4632)	>500 lbs - MD x >200 bs - TD	Water Flux (ASTM D 4491)	>50 gpm/sq ft
CBR Puncture (ASTM D 6241)	>1,800 lbs	UV Stability (ASTM D 4355)	>90% strength retained - MD
Trapezoidal Tear (ASTM D 4533)	>160 lbs - MD x >125 lbs - TD		

MD = Machine Direction

TD = Transverse Direction

TEsting performed by TRI Environmental, Inc.

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LET'S GET IT DONE®

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