



WBSF™ 2 STAGE

Woven Belted Silt Fence (WBSF™)

REINFORCED SILT FENCE

NTPEP Compliant

Patent # US 8,747,027 B1



Part# WBSF2S

Structural Integrity – Stormwater Release – Sediment Retention

- Internal belts used as attachment points allow fabric to hold maximum loads without additional reinforcement - provide linear support to disperse weight of stormwater and sediment over the full system.
- 36" tall, 2 Stage durable woven polypropylene geotextile that delivers consistent performance
- **Replacement for wire back silt fence**
- 2 Stage technology reduces the potential for overtopping and undermining:
 - Stage 1 – **Sediment retention** (50 sieve, >80 gpm/ft² clear water flow)
 - Stage 2 – **Stormwater release** (>300 gpm/ft² clear water flow)

Master Rolls	500'	1000'
No Splices - faster install	✓	✓
May be used with Metal Posts	✓	✓
May be used with Wood Posts	✓	✓

Pre-Assembled	48' Long	100' Long
4' Centers - Oak/Hardwood Posts	✓	
6' Centers - Oak/Hardwood Posts		✓



PERIMETER PROTECTION – REINFORCED SILT FENCE

Based on independent third party test results.

<h1>2 Stage (WBSF2S)</h1>				Sedimentation Filter Stage (Lower Portion)	Storm Water Release Stage (Upper Portion)
Property	Test Method	Stage 1	Stage 2		
Apparent Opening Size (Sieve)	ASTM 4751	50 *	20		
Permittivity (gpm/min/ft ²)	ASTM D4491	≥70	≥300*		
Woven-in Belt Grab Tensile Strength MD	ASTM D4632	≥350 lbs. *	≥350 lbs. *		
Woven-in Belt Grab Elongation MD	ASTM D4632	≤20%*	≤22%*		
Grab Tensile Strength MD	ASTM D4632	≥515 lbs. *	≥295 lbs. *		
Grab Elongation MD	ASTM D4632	≤20%*	≤20%		
Grab Tensile Strength XD	ASTM D4632	≥230 lbs. *	≥195 lbs.		
Grab Elongation XD	ASTM D4632	≤10%*	≤10%		
Mullen Burst Strength	ASTM D3786	≥520 lbs. *	≥480 lbs. *		
Trapezoidal Tear MD	ASTM D4533	≥120 lbs. *	≥90 lbs.		
Trapezoidal Tear XD	ASTM D4533	≥110 lbs. *	≥80 lbs.		
50mm Puncture	ASTM D6241	≥660 lbs. *	≥600 lbs.		
UV Resistance (%)	ASTM D4355	≥80%	≥80%		
Mass/Area (oz/yd ²)	ASTM D5261	≥6.25 *	≥4.80 *		
Wide Width Tensile Properties 8" width lbs. above ground level stage*	ASTM D 4595	MD Ultimate Strength (ppi) ≥300	MD Ultimate Strength (ppf) ≥3600		

* Typical Values

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