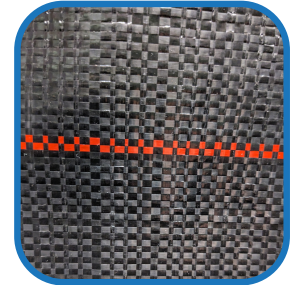




NCDOT Silt Fence with stakes is preassembled using 36" woven geotextile PATRIOT 100SF and hardwood stakes. The PATRIOT 100SF is made up of high tenacity polypropylene tapes. These tapes are woven to form stable and durable structure which allows the tapes to maintain their relative position. It is non-biodegradable and resistant to ultra violet degradation, rotting, and most soil chemicals. The NCDOT Silt Fence with stakes is manufactured to meet or exceed the following minimum average roll values:



Assembled Unit Property	Test Method	Value
Post Size	Measured	2" x 2" x 48" (nominal)
Post Spacing	Measured	6 ft
Post Composition	-	Hardwood with Pencil Point
Fabric Height	Measured	36 in
Unit Length	Measured	100 ft

## PATRIOT 100SF Fabric

PROPERTY	TEST METHOD	MINIMUM AVERAGE ROLL VALUE ENGLISH
Tensile Strength (Grab)	ASTM D4632	100 x 100 lbs
Elongation	ASTM D4632	15%
CBR Puncture	ASTM D6241	300 lbs
Trapezoidal Tear	ASTM D4533	45 x 45 lbs
UV Resistance (500 hrs)	ASTM D4355	70%
Apparent Opening Size (AOS)	ASTM D4751	30 US Std. Sieve
Permittivity ASTM	ASTM D4491	0.05 sec <sup>-1</sup>
Water Flow Rate	ASTM D4491	6 gpm/ft <sup>2</sup>

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