Engineer's Point By Point Comparative Data Sheet

Typical Physical Index Properties	Test Method	Units	Min. Allowed	Greenfix	Comp 1	Specification Notes
Manufacturer's Product Trade Name	-	-	-			
Thickness	ASTM D 5199	(Inches)				Non Critical (Fiber Core Only)
Mass per Unit Area / Unit Weight	ASTM D 5261	(lb/yd^2)				Critical Factor - Aerial Density
Tensile Strength (Machine Direction)	ASTM D 5035	(lbs/ft)				Non Critical
Tensile Strength (Transverse Direction)	ASTM D 5035	(lbs/ft)				Non Critical
Elongation Avg. % @ Peak (MD x TD)	ASTM D 5035	Average (%)				Non Critical
Light Penetration (Ground Cover)	ECTC	(%) Reduction				Non Critical
Resiliency (Fiber Core Only)	ASTM D1777	(%) Recovery				Non Critical (Fiber Core Only)
Porosity	ECTC	(%) Porous Area				Not Related to Effectiveness
Swell - (If Applicable)	ECTC	(%) Change				Not Related to Effectiveness
Water Absorption - (If Applicable)	ASTM D1777	(%) Wt. Change				Not Related to Effectiveness
UV Stability - (If applicable)	ASTM D-4355	(%) Retained				Non Critical
UV Reduced Strength - (If applicable)	ASTM D 5035	(lbs/ft)				Non Critical
Thread Break Load	ASTM D 885M-95	(lbs/ft)				

Manufacturer's Index Property						
Color	-	No Value				Not Related to Effectiveness
Functional Longevity	-	Months				Critical Factor
Standard Roll Area	-	(yd^2)				
Min. Filament Diameter - (If applicable)	-	(Measured)				Not Related to Effectiveness

Performance Property						
Permissible Soil Loss - (Slopes Only)	Rainfall Sim. [1]	(lbs/Hr.)				Critical Factor
Germination Ratio - (Slopes Only)	Rainfall Sim. [1]	% Of Total Pos.				Site Specific Factor
"C" Factor / Soil Loss Ratio - (Slopes Only)	ASTM D 6459	Ratio				Critical Factor
Allowable Shear Stress - (Channels Only)	Direct Shear	(lbs/ft^2)				
Max. Allowable Velocity - (Channels Only)	Flow Velocity	(fps)				Critical Factor

Data compiled from manufactures published product information and independent laboratory test reports.
[1] Large Scale Controlled Environment Rainfall Simulator, Capable of 5 inches per hour intensity.

Channel Analysis Comparison Table No.1

Required Safety Factor [2.0] Bare Soil [Yes]

Greenfix America Materials Listing		Velocity (fps)			Shear Stress (lbs/ft^2)			Pass	Computed Quantity
		Computed	Max Allowed	Safety Factor	Computed	Max Allowed	Safety Factor	Y/N	(SY)
Left	CFG2000		18.5			6.5			
Bottom	CFG2000		18.5			6.5			
Right	CFG2000		18.5			6.5			

Comp 1 Materials Listing		Velocity (fps)			Shear Stress (lbs/ft^2)			Pass	Computed Quantity
		Computed	Max Allowed	Safety Factor	Computed	Max Allowed	Safety Factor	Y/N	(SY)
Left									
Bottom									
Right									