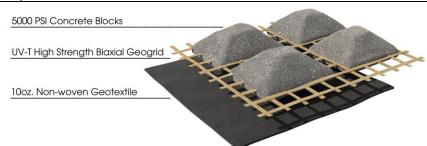


Composition of Materials – Flexamat 10NW UV-T

Blocks	5000 PSI, Wet-cast Portland Cement					
	Fornit 30/30 UV-T – Polypropylene geogrid with 2,055 lb/ft biaxial strength. Carbon black UV inhibitor shall be blended into the extruded yarns at a rate no less than 0.8% by weight and the knitted geogrid shall be coated with an initial coating to independently achieve a maximum Tensile Strength loss of 8% at 500 hours when tested in accordance ultra with ASTM D4355. The geogrid shall then be subsequently coated with a high ultra-violet resistant synthetic rubber blend coating with a tan color (for identification) with the following properties:					
Interlocking Biaxial Geogrid	Property	Unit	Test	Requirement		
	Mass/Unit Area	oz/yd²	ASTM D5261	6.5 oz/yd ²		
	Aperture Size	English units	Measured	1.4x 1.4 inch		
	Ultimate Wide Width Tensile Strength (MD x CMD)	lb/ft	ASTM D6637	2,055 lb/ft		
	Elongation at Ultimate Tensile Strength (MD x CMD)	%	ASTM D6637	≤ 8%		
	Wide Width Tensile Strength @ 2% (MD x CMD)	lb/ft	ASTM D6637	822 lb/ft		
	Wide Width Tensile Strength @ 5% (MD x CMD)	lb/ft	ASTM D6637	1,640 lb/ft		
	Tensile Modulus @ 2% (MD x CMD)	lb/ft	ASTM D6637	41,100 lb/ft		
	Tensile Modulus @ 5% (MD x CMD)	lb/ft	ASTM D6637	32,800 lb/ft		
	UV Resistance (3200 hr)	% retained/hr	ASTM G154	100% Retained Strength		
	Color	Color Chart	Visual	Tan		
Flexamat	A two-layered system includes, in order from top to bottom, 1) Concrete block mat 2) 10oz Non-Woven					
10 NW	Geotextile. The concrete blocks shall be cast onto the geotextile so that it is adhered to the back of each					
Underlayment	concrete block.					



Manufacturing Values

Flexamat Properties	Values
Roll Width	4', 5.5', 8', 10', 12', 15.5', & 16'
Roll Length	30', 40', 50' / custom
Material Weight	10 lbs./sf
Block Size	6.5" x 6.5" x 2.25"
Percentage Open Area (POA)	30% min.

Performance

Test	Tested Value	Bed Slope	Soil Classification	Limiting Value
ASTM 6460	Shear Stress	30%	Sandy Loam (USDA)	24 PSF
ASTM 6460	Velocity	20%	Loam (USDA)	30 ft./sec