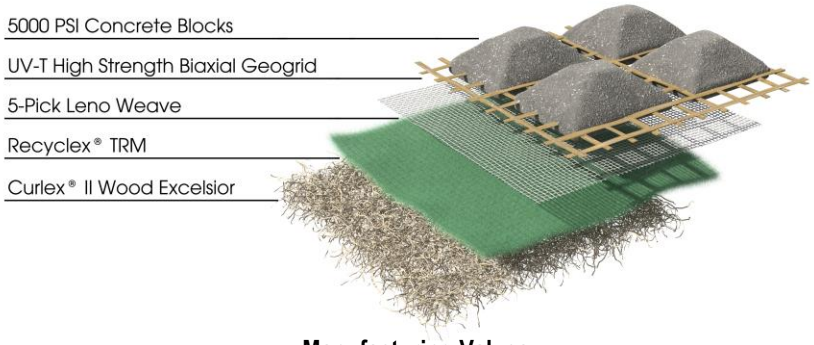
Motz Enterprises, Inc.
www.Flexamat.com

Composition of Materials – Flexamat Plus UV-T

<table>
<tr><td>Blocks</td><td>5000 PSI, Wet-cast Portland Cement</td></tr>
<tr><td>Interlocking Biaxial Geogrid</td><td>Fornit 30/30 UV-T – Polypropylene geogrid with 2,055 lb/ft biaxial strength. Carbon black UV inhibitor shall be blended into to 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:
<table>
<tr><th>Property</th><th>Unit</th><th>Test</th><th>Requirement</th></tr>
<tr><td>Mass/Unit Area</td><td>oz/yd^2</td><td>ASTM D5261</td><td>6.5 oz/yd^2</td></tr>
<tr><td>Aperture Size</td><td>English units</td><td>Measured</td><td>1.4x 1.4 inch</td></tr>
<tr><td>Ultimate Wide Width Tensile Strength (MD x CMD)</td><td>lb/ft</td><td>ASTM D6637</td><td>2,055 lb/ft</td></tr>
<tr><td>Elongation at Ultimate Tensile Strength (MD x CMD)</td><td>%</td><td>ASTM D6637</td><td>≤ 8%</td></tr>
<tr><td>Wide Width Tensile Strength @ 2% (MD x CMD)</td><td>lb/ft</td><td>ASTM D6637</td><td>822 lb/ft</td></tr>
<tr><td>Wide Width Tensile Strength @ 5% (MD x CMD)</td><td>lb/ft</td><td>ASTM D6637</td><td>1,640 lb/ft</td></tr>
<tr><td>Tensile Modulus @ 2% (MD x CMD)</td><td>lb/ft</td><td>ASTM D6637</td><td>41,100 lb/ft</td></tr>
<tr><td>Tensile Modulus @ 5% (MD x CMD)</td><td>lb/ft</td><td>ASTM D6637</td><td>32,800 lb/ft</td></tr>
<tr><td>UV Resistance (3200 hr)</td><td>% retained/hr</td><td>ASTM G154</td><td>100% Retained Strength</td></tr>
<tr><td>Color</td><td>Color Chart</td><td>Visual</td><td>Tan</td></tr>
</table></td></tr>
<tr><td>Flexamat Plus Underlayment</td><td>A four-layered system includes, in order from top to bottom, 1) Concrete block mat 2) 5-Pick Leno Weave 3) Recylex TRM and 4) Curlex® II. The underlayment materials shall be packaged within the roll of the Flexamat Plus UV-T</td></tr>
</table>



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