



Distributed by:



www.cascadegeos.com
971-339-1020

Motz Enterprises, Inc.
3153 Madison Road
Cincinnati OH 45209
Office: 513-772-6689
Fax: 513-772-6690
www.Flexamat.com

Data Sheet

Flexamat® is a tied concrete block mat used to control erosion in swales, slopes, ditches, channels, shorelines and any area where soil sediment may be lost due to water runoff.

The matting consists of pyramidal concrete blocks that are interconnected utilizing a high tensile strength polypropylene geogrid. The completed mat yields a high strength, ultra-flexible hard armor system of Erosion Control. Flexamat’s superior Percentage of Open Area (POA) affords an ideal zone for vegetation growth while remaining a permanent armor against long-term erosional forces.

General Composition of Materials

Blocks	5000 PSI, Wet-cast Portland Cement
Interlocking Biaxial Geogrid	Fornit 30/30 – Polypropylene Geogrid with 2,055 lb/ft biaxial strength
Underlayment Options	<p>Standard Polypropylene netting Culrex® II ECB</p> <p>Plus Polypropylene netting Recyclax® TRM-V Culrex® II ECB</p> <p>Fabric 10 oz NW fabric *More options available upon request</p>

Manufacturing Values

Flexamat Properties	Values
Roll Width	4', 5.5', 8', 10', 12' 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