



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	<b>Fabric</b> 10oz. non-woven underlayment

**Manufacturing Values**

<b>Flexamat Properties</b>	<b>Values</b>
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