



## 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	34.5 MPa at 28 days, Wet-cast Portland
Interlocking Biaxial Geogrid	Fornit 30/30 – Polypropylene Geogrid with 30 KN/M (MD), 30 KN/M (CMD)
Underlayment Options	<p><b>Standard</b>          Polypropylene netting          Curlex® II ECB</p> <p><b>Plus</b>          Polypropylene netting          Recyclax® TRM-V          Culrex® II ECB</p> <p><b>Fabric</b>          283.50 g - NW fabric          *More options available upon request</p>

### Manufacturing Values

Flexamat Properties	Values
Roll Width	1.2, 1.7, 2.4, 3.1, 3.7, 4.9 Meters
Roll Length	9.1 m, 12.2 m, 15.2 m / custom
Material Weight	10 lbs./sf
Block Size	0.17 m x 0.17m x 0.06 m
Percentage Open Area (POA)	30% min.

### Performance

Test	Tested Value	Bed Slope	Soil Classification	Limiting Value
ASTM 6460	Shear Stress	30%	Sandy Loam (USDA)	1149 Pa
ASTM 6460	Velocity	20%	Loam (USDA)	9.1 m/s

