

Flexamat®

Permanent Erosion Control with Flexamat®

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 erosive forces.

Flexamat® consists of concrete blocks sized at 6.5"x6.5"x2.25", which are locked into a high strength geogrid. There is a 1.5" spacing between blocks to allow for flexibility and vegetation growth. TRMs are attached to the back of the Flexamat® mat to prevent erosion and enhance growth.

BENEFITS OF FLEXAMAT®

- High performance at moment of installation, unvegetated capabilities 19ft./per sec. & 24 PSF
- Permanent vegetated solution
- Safety—safe for motorist to drive across
- Compact rolls—smaller staging area during construction
- Fast installation, easy maintenance
- Truckload of Flexamat® = 30+ dumptruck loads of rip rap



TrueNorth Steel®

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Flexamat® Properties

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	Standard - Curlex® II ECB Plus - Recyclex® TRM-V & Curlex® II ECB Fabric - 10 oz. NW fabric * More options available upon request

Manufacturing Values

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

Manufacturing Values

Test	Tested Values	Bed Slope	Soil Classification	Limiting Value
ASTM 6460	Shear Stress	30%	Sandy Loam (USDA)	24+PSF
ASTM 6460	Velocity	30%	Sandy Loam (USDA)	19+ ft/Sec

