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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 | Standard Polypropylene netting Curlex® II ECB Plus Polypropylene netting Recyclax® TRM-V Culrex® II ECB Fabric 10 oz NW fabric *More options available upon request |

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 |