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Product 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.

Flexamat® should be considered in any application where consideration is being given to poured concrete, riprap, gabions, ACB's and other hard-armor systems.

Flexamat® consists of pyramidal concrete blocks that are interconnected utilizing a 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, Wet-cast Portland Cement
Interlocking Geogrid	30KN/M (MD), 30KN/M (CMD)
Underlayment Options	W 200 Erosion Control Blanket TRM Non-woven fabrics. More options available.

Manufacturing Values

Flexamat Properties	Values
Roll Width (m)	1.22, 1.67, 2.44, 3.05, 3.66, 4.88
Roll Length	9.14m, 12.2m, 15.2m / custom
Material Weight	48.8 kg/sqm
Block Size	165mm x 165mm x 60mm
Spacing Between Blocks	38mm

Performance Design Criteria

Percentage Open Area (POA)	30% min.
Geogrid Tensile Strength	30KN/M (MD), 30KN/M (CMD)
Shear Tolerance*	1149 Pa
Velocity Tolerance*	9.1 m/s

*ASTM D 6460