# ARMORFORM ®

YOUR SOLUTION TO PERMANENT HARD ARMOR EROSION CONTROL

# **VegeMat**

- VegeMat (VMAT) is formed with a double-layer woven fabric, joined together into a matrix of rectangular compartments, each separated by opencell voids to allow for re-vegetation. VegeMat can be selected with either a 25% or 35% open-cell voids that can be opened and planted, resulting in a system providing environmentally compatible protection with the necessary hydraulic, ecological and aesthetic features desired.
- VegeMat (VMAT) is available with unidirectional high strength revetment cabling and designed to match either the 3" Articulating Block Mat (SYSTEM35) or 4" Articulating Block Mat (SYSTEM25) to form a combination of full coverage and partial coverage. After filled with concrete, the cables remain embedded in the concrete to facilitate articulation. VMAT is customed fabricated into multiple mill width panels, designed to fit actual site dimensions and topography.





# **DESIGN CONSIDERATIONS**

- VegeMat is used where an eco-friendly approach to erosion protection is desired.
- Open-cell allows for revegetation and a more natural look.
- Reduces impervious cover.
- Roughness coefficient of N = 0.045 to 0.050 is acceptable.

# **APPLICATIONS**

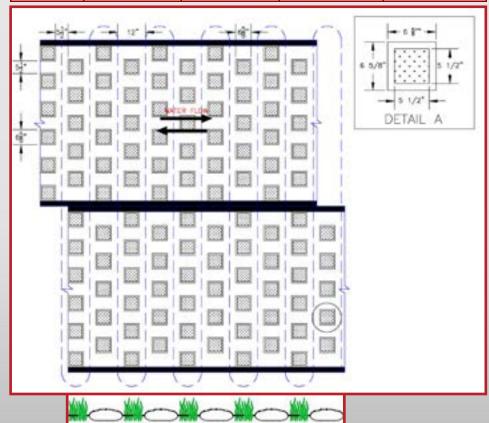
- Bridge Abutments
- Storm Sewer Outfalls
- Channel Lining
- Levee Protection
- Dike Groin
- Spillway/Weirs
- Pipeline Shallow Cover

## **INDUSTRIES**

- Highways/Bridges
- Ports/Harbors
- Dams/Levees
- Rivers/Canals
- Flood Control
- Coastal/Marine
- Industrial Waste Landfill
- Mining
- Oil/Gas Pipeline
- Power Generation

# VEGEMAT TECHNICAL DATA

VegeMat (VMat)					
STYLE	VOID RATIO	NOMINAL THICKNESS	UNIT WEIGHT	CONCRETE COVERAGE	
VMAT35	35%	2.0"	24 lbs./ft²	160 sq. ft./cy	
VMAT25	25%	3.0"	35 lbs./ft²	108 sq.ft./cy	



TYPICAL RANGE OF MIX PROPORTIONS				
Material	Mix Proportions lbs./cu. yd.	After Placement lbs./cu. yd.		
Cement	750-850	810-920		
Sand	2030-2120	2195~2290		
Water	485~555	360~430		
Fly Ash	Up to 25% of Cement			









# **LOCATIONS & CONTACT INFO**

#### **ASP ENTERPRISES**

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# **SOLUTIONS WE SUPPLY**

#### **GEOSYNTHETICS**

Filter Fabrics

Stabilization Fabrics

## Geogrids

- Road Grids
- Wall Grids
- Slope Stabilization

#### **Specialty Fabrics**

#### **Composite Geomembranes**

• GCLs, PVC, HDPE, LLDPE, EPDM, Granular Bentonite

#### **SEDIMENT CONTROL**

#### **Inlet Protection**

· Grated Inlet, Curb Inlet, Area Inlet Protection

#### **Ditch Checks**

- · Triangle Silt Dike
- GeoRidge

#### **Perimeter Protection**

- · High and Low-Porosity Silt Fence, Straw Wattles, Silt Socks
- Safety Fence

#### Flocculants & Water Treatment

Polymer-Based & Natural Flocculants

#### Sediment Basin Skimmers

**Dewatering Bags** 

#### **Trackout Control**

- FODS
- Rumble Grates

### **Turbidity Curtains**

#### **EROSION CONTROL**

#### **Basic Hydraulically Applied Mulches**

- Wood
- Paper
- Blends
- Straw

#### **High-Performance Hydraulically Applied Products**

- FGM
- Additives & Tackifiers

#### **Temporary Erosion Control Blankets**

- Coir & Jute Mat/Nettings
- Short-Term ECBs
- Extended-Term ECBs

#### **Permanent Erosion Control Blankets**

- Turf Reinforcement Mats
- HP-TRMs
- Anchor Reinforced Vegetation System

#### Structural BMPs

- Transition Mats
- Geoweb Cellular Confinement
- Composite Vegetated Armor System
- Flex MSE Vegetated Wall System
- Articulated Concrete Block
- Gabions
- · Grout-Filled Geotextile Mats

#### Vegetation Establishment

- · Native Seed & Turf Seed
- Fertilizers
- · Organic Soil Additives
- Stratavault Soil Cells

### STORMWATER MANAGEMENT

#### Water Quality

- Inlet Filter Boxes
- Pre-Treatment Chamber
- Nutrient Separating Baffle Boxes
- · High-Flow Biofiltration Media
- · Hydrodynamic Separators
- Stratavault

#### Water Ouantity

- · Modular Underground Storage Systems
- Chamber Detention Systems

#### Drainage

- HDPE Swale Liner
- Pipe & Fittings
- · Drainage Composites
- Strip Drain

#### **Inlet Structures**

- PVC
- · Drain Basins, In-Line Drains
- Landscape

## Permeable Pavers

- Permeable Articulating Concrete Block
- Grass Pavers
- · Gravel Pavers
- Concrete Pavers

#### **SPECIALTY**

Natural & Synthetic Coir Fiber Logs **Vegetated Reinforced Soil Slopes** Soil Anchors **Root Barrier System** AquaBlok Muscle Wall

We are full line distributors of construction materials for all project types. Contact us for assistance with a project. From specification and development to installation and completion, we're here to help with all of your site solution needs.