

## 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	<b>Standard</b> - Curlex® II ECB <b>Plus</b> - Recyclex® TRM-V & Curlex® II ECB <b>Fabric</b> - 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	30%	Sandy Loam (USDA)	19+ ft/Sec

## HYDRAULIC DATA

### 30% Flume Test

Non-vegetated testing on 30% slope over sandy loam soil, results:  $\tau_{\text{limit FLEXAMAT(std)}} = 24+ \text{ psf}$

$V_{\text{limit FLEXAMAT(std)}} = 19+ \text{ ft/sec.}$



Rectangular Channel Setup



Gravity Flow to Flume



Channel Flow Velocity Measurement (Typical)



Low Flow In Channel



Medium Flow In Channel



High Flow In Channel



Rectangular Channel After High Flow



Channel After Matting Removed (no apparent soil surface disruption)

## ROLLS

### CORE AND NO-CORE

**Flexamat®** Standard is delivered without a core. Cores can be added.



Standard **Flexamat®** (no core)



**Flexamat®** (with core added)