

# ScourStop® Transition Mats

ScourStop® Transition Mats are an engineered, proven, bio-technical alternative to traditional hard-armor systems. ScourStop® Transition Mats are manufactured of a semi-rigid HDPE. When combined with soft-armor soil cover and deep-soil earth anchors, the ScourStop® system mechanically protects soil from severe scour and erosion. The ScourStop® system offers greater protection than vegetation alone or rip rap and is lab-tested and field-proven to protect against considerably higher shear stresses and velocities. ScourStop® Transition Mats provide a permanent, low-maintenance solution with immediate, day-one protection and impact resistance over highly erosive areas such as stormwater outfalls, curb outfalls, overflow structures, drainage channels, levees, and shorelines. ScourStop® Transition Mats conform to the property values listed below:

PROPERTY	TEST METHOD	ENGLISH	METRIC
<b>Properties</b>			
Mass/Unit Area	ASTM D6566	<b>0.942</b> lbs/ft <sup>2</sup>	<b>4.599</b> kg/m <sup>2</sup>
Thickness	ASTM D6525	<b>0.463</b> in	<b>11.735</b> mm
Wide Width Tensile Strength	ASTM D4595	<b>3,053</b> lbs/ft	<b>4.139</b> kN/m
Percent Open Area	Calculated	<b>50</b> %	<b>50</b> %
UV Stability	ASTM D4355	<b>87</b> %	<b>87</b> %
Manning's n	Calculated	<b>0.039</b>	<b>0.039</b>
Culvert Outfall Test Exit Velocity Discharge	Prototype	<b>16</b> ft/sec	<b>4.877</b> m/sec
Velocity Day 1 Performance Fully Vegetated	Flume Testing ASTM D6460	<b>19</b> ft/sec	<b>5.791</b> m/sec
Shear Day 1 Performance Fully Vegetated	Flume Testing ASTM D6460	<b>13</b> lbs/ft <sup>2</sup>	<b>63.472</b> kg/m <sup>2</sup>

**DISCLAIMER:** Descriptions regarding the products described herein are based solely upon information provided by the manufacturer and are provided for informational purposes only. **NOTHING CONTAINED HEREIN SHOULD BE CONSTRUED AS CREATING AN EXPRESSED OR IMPLIED WARRANTY, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS, EACH OF WHICH IS HEREBY DISCLAIMED. THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF.** The final determination as to the suitability of any product of Hanes Geo Components in any particular application rests solely with the user. Hanes Geo Components reserves the right to alter or modify its products and descriptions at any time without notice.