**DESCRIPTION**

REACTIVE CORE MAT™ GAC is an aqueous permeable composite of geotextiles and activated carbon that reliably adsorbs organics from water.

**APPLICATION**

*REACTIVE CORE MAT™ GAC is designed for use in the following applications:*

- In situ subaqueous cap for contaminated sediments or post-dredge residual sediments
- Embankment seepage control
- Groundwater remediation

**BENEFITS**

- REACTIVE CORE MAT™ GAC provides a reactive material that treats contaminants which are carried by advective or diffusive flow.
- Reactive cap allows for thinner cap thickness than a traditional sand cap.
- Geotextiles provide stability and physical isolation of contaminants.

**PACKAGING**

*REACTIVE CORE MAT™ GAC is available in the following packaging option:*

- 15' by 100' rolls, packaged on 4" PVC core tubes wrapped in polyethylene plastic

**TESTING DATA**

### PHYSICAL PROPERTIES

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>TEST METHOD</th>
<th>RESULTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACTIVATED CARBON¹</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Iodine Number</td>
<td>AWWA B604 or ASTM D4607</td>
<td>Min. 750 mg/g</td>
</tr>
<tr>
<td>FINISHED RCM PRODUCT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Activated Carbon Mass per Area</td>
<td>Modified ASTM D5993</td>
<td>0.4 lb/ft²</td>
</tr>
<tr>
<td>Grab Strength²</td>
<td>ASTM D4632</td>
<td>90 lb. MARV</td>
</tr>
<tr>
<td>Permeability³</td>
<td>ASTM D 4491</td>
<td>1 x 10⁻³ cm/s min.</td>
</tr>
</tbody>
</table>

**NOTES:**

1. Activated carbon properties performed prior to incorporation into the RCM
2. All tensile testing in machine direction
3. Permittivity constant head of 2 inches and converted to hydraulic conductivity using Darcy’s Law and RCM thickness per ASTM D5199 for geotextiles