

REACTIVE CORE MAT™

WITH GRANULAR ACTIVATED CARBON CORE (GAC)

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



REACTIVE CORE MAT™ GAC is designed to provide a simple method of placing active materials into subaqueous sediment caps.

TESTING DATA

PHYSICAL PROPERTIES		
PROPERTY	TEST METHOD	RESULTS
ACTIVATED CARBON¹		
Iodine Number	AWWA B604 or ASTM D4607	Min. 750 mg/g
FINISHED RCM PRODUCT		
Activated Carbon Mass per Area	Modified ASTM D5993	0.4 lb/ft ²
Grab Strength ²	ASTM D4632	90 lb. MARV
Permeability ³	ASTM D 4491	1 x 10 ⁻³ cm/s min.

NOTES:

¹Activated carbon properties performed prior to incorporation into the RCM

²All tensile testing in machine direction

³Permittivity at constant head of 2 inches and converted to hydraulic conductivity using Darcy's Law and RCM thickness per ASTM D5199 for geotextiles

North America: 847.851.1800 | 800.527.9948 | www.cetco.com

UPDATED: MAY 2017

© 2017 Minerals Technologies Inc. IMPORTANT: The information contained herein supersedes all previous printed versions, and is believed to be accurate and reliable. For the most up-to-date information, please visit www.cetco.com. CETCO accepts no responsibility for the results obtained through application of this product. All products are sold on the understanding that the user is solely responsible for determining their suitability for the intended use and for proper use and disposal of the product. CETCO MAKES NO WARRANTY OF MERCHANTABILITY OR SUITABILITY FOR ANY PARTICULAR PURPOSE IN CONNECTION WITH ANY SALE OF THE PRODUCTS DESCRIBED HEREIN. CETCO reserves the right to update information without notice.

