

TECHNICAL DATA

REACTIVE CORE MAT™

with GRANULAR ACTIVATED CARBON CORE (GAC) & SAND

DESCRIPTION

Reactive Core Mat™ GAC with Sand is an aqueous permeable composite of geotextiles and activated carbon that reliably adsorbs organics from water. Product will contain sand (~40% by weight) to counteract buoyancy effects.

APPLICATION

Reactive Core Mat™ GAC with Sand 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 with Sand 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.



Reactive Core Mat™ GAC with Sand is designed to provide a simple method of placing active materials into subaqueous sediment caps.

TESTING DATA

PHYSICAL PROPERTIES		
PROPERTY	TEST METHOD	RESULT
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	130 lb. MARV
Permeability ³	ASTM D 4491	1 x 10 ⁻³ cm/s min.

NOTES:

¹ Activated carbon properties performed prior to incorporation into the RCM

² All tensile testing in machine direction

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

PACKAGING

Reactive Core Mat™ GAC & Sand is available in the following packaging option:

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

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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 remediation.cetco.com. CETCO accepts no responsibility for the results obtained through application of this product. CETCO reserves the right to update information without notice.