

# TECHNICAL DATA

## REACTIVE CORE MAT™

### with APATITE

#### DESCRIPTION

Reactive Core Mat™ with Apatite is a permeable composite of geotextiles and a mineral that adsorbs and sequesters certain metals from water.

#### APPLICATION

**Reactive Core Mat™ with Apatite 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™ with Apatite 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

#### AVAILABILITY

**Reactive Core Mat™ with Apatite is available from the following CETCO plant location:**

- ▶ 218 NE Industrial Park Rd., Cartersville, GA



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

#### PACKAGING

15' x 100' rolls, packaged on 4" PVC core tubes wrapped with polyethylene plastic packaging.

#### TESTING DATA

PHYSICAL PROPERTIES		
PROPERTY	TEST METHOD	RESULT
<b>APATITE<sup>1</sup></b>		
Bulk Density Range	CETCO Test Method	90-100 lbs/ft <sup>3</sup>
<b>FINISHED RCM PRODUCT</b>		
Organoclay Mass per Area	CETCO Test Method	0.8 lb/ft <sup>2</sup>
Mat Grab Strength <sup>2</sup>	ASTM D4632	90 lb. MARV
Hydraulic Conductivity <sup>3</sup>	Mod. ASTM D4491	1 x 10 <sup>-3</sup> cm/sec minimum

#### NOTES:

<sup>1</sup> Apatite properties performed periodically on material prior to incorporation into the RCM.

<sup>2</sup> All tensile testing is performed in the machine direction.

<sup>3</sup> Permittivity at constant head of 2 inches and converted to hydraulic conductivity using Darcy's Law and RCM thickness per ASTM D5199

2870 Forbs Avenue, Hoffman Estates, IL 60192  
800.527.9948 | <http://remediation.cetco.com>



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](http://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.