

REACTIVE CORE MAT®

with APATITE

PRODUCT DESCRIPTION

Apatite Reactive Core Mat® (RCM) 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

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

BENEFITS

- RCM 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

PHYSICAL PROPERTIES

PROPERTIES	TEST METHOD	VALUE
APATITE¹		
Bulk Density Range	CETCO Test Method	90-100 lbs/ft ³
FINISHED RCM PRODUCT		
Organoclay Mass per Area	CETCO Test	0.8 lb/ft ²
Mat Grab Strength ²	ASTM D4632	90 lbs. MARV
Hydraulic Conductivity ³	Mod. ASTM D4491	1 x 10 ⁻³ cm/sec minimum

Notes

¹ Apatite properties performed periodically on material prior to incorporation into the RCM.

² All tensile testing is performed in the 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

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

AVAILABILITY

Shipping is available from the following location:

- CETCO, 218 NE Industrial Park Rd, Cartersville, GA

Contact your local technical sales manager at:
714-384-0111 or 800-527-9948