

REACTIVE CORE MAT®

with ORGANOCLAY®

PRODUCT DESCRIPTION

Organoclay® 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

Organoclay® Reactive Core Mat® is a permeable composite of geotextiles and a non-swelling granular clay compound that reliably adsorbs oil and similar organics 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
ORGANOCLAY¹		
Bulk Density Range	CETCO Test Method	44 – 56 lbs/ft ³
Oil Adsorption Capacity	CETCO Test Method	0.5 lb of oil per lb of organoclay, min
Quaternary Amine Content	CETCO Test Method	25 – 33% quaternary amine loading
FINISHED RCM PRODUCT		
Organoclay Mass per Area	CETCO Test Method	0.8 lb/ft ²
Mat Grab Strength ²	CETCO Test Method	90 lbs. MARV
Hydraulic Conductivity ³	CETCO Test Method	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