

BENTOBLOCK®

LOW PERMEABILITY SEDIMENT CAP MATERIAL

DESCRIPTION

BENTOBLOCK® is natural sodium bentonite screened to 3/8 inch (0.95 cm) to 3/4 inch (1.90 cm) in size. BENTOBLOCK® is certified to NSF/ANSI Standard 60, Drinking Water Treatment Chemicals - Health Effects.

APPLICATIONS

BENTOBLOCK® is specially formulated for use in the following applications:

- Mix with aggregate and deploy as a low-permeability sediment cap
- Mix with aggregate and deploy as a low-permeability barrier as part of funnel and gate system.
- Deploy around submerged structures in conjunction with Bentomat CL geosynthetic clay liner.
- For freshwater applications only. For saline conditions, contact CETCO Technical Sales Manager.

FEATURES

- Chemically stable. Results from TCLP Priority Pollutants analysis are below RCRA limits for hazardous constituents*. NSF/ANSI Standard 60 certified.
- Creates self-sealing low-permeability layer.
- Provides a high-solids bentonite seal

MIXING AND APPLICATION

Bagged material should be screened of fines before placement. For waterway applications, deploy slowly directly over water surface and allow to settle through water column. Do not tremie through water.

PACKAGING

BENTOBLOCK® is available in the following packaging option:

- 2500 lb. (1,135 kg) super sack bag.

* Historic data, available upon request.



Shown larger than actual size

TESTING DATA

PHYSICAL PROPERTIES		
PROPERTY	TEST METHOD	RESULTS
Bulk Density	CETCO Test Method	67.30 lbs./ft ³ (1.08 kg/m ³), typical
Hydraulic Conductivity	ASTM D5084	2 x 10 ⁻⁸ cm/s*
Sieve, passing 100 mesh, AS SHIPPED	CETCO Test Method	< 1.5% maximum
Attrition, Ro-tap w/ steel bearings, 30 minutes	CETCO Test Method	< 4% weight loss
Swell, 500 grams, @ 24 hours	CETCO Test Method	1100 ml, minimum

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