

REACTIVE CORE MAT®

WITH FLUORO-SORB® 200 ADSORBENT

DESCRIPTION

REACTIVE CORE MAT with FLUORO-SORB 200 adsorbent consists of a layer of FLUORO-SORB 200 sandwiched between two geotextiles, which are needle-punched together. The result is a contaminated sediment capping mat that adsorbs PFAS contaminants.

PANEL DIMENSIONS

- Panel Dimensions: 15 ft (4.57 m) wide x 100 ft (30.5 m) long
- Total Panel Area: 1,500 ft² (139.4 m²)

ROLL DIMENSIONS

- Length: 16 ft (4.9 m)
- Diameter: 22 in (559 mm)
- Core Diameter: 4 in (100 mm) I.D.

- Nominal Weight: 1,500 lbs (680 kg)
- Packaging: 2 mil (0.05 mm) polyethylene sleeve

SHIPPING

- Flatbed truck shipment size: 30 rolls; 45,000 ft² (4,181 m²)
- All shipments will contain three stacks of rolled materials on flatbed

HANDLING

- Core Pipe: length = 18 ft (5.5 m); O.D. = 3.5 in (90 mm); strength rating = XXH or strongest available
- Alternatives: solid steel pipe with above dimensions; custom-fabricated “stinger” for forklift



- Spreader Bar: I-beam supported by chains
- Straps: factory-placed lifting straps available upon request

TESTING DATA

MATERIAL PROPERTY	TEST METHOD	RESULT
FLUORO-SORB adsorbent mass/area ¹	CETCO Test Method	0.8 lb/ft ² (3.9 kg/m ²) min.
Tensile strength ²	ASTM D 4632	90 lbs (400 N) min.
Hydraulic conductivity ^{3,4}	ASTM D4491	1 x 10 ⁻³ cm/sec min.

Notes:

¹ FLUORO-SORB adsorbent mass reported on net roll weight basis

² Tensile testing performed in machine direction

³ Sample deaired with vacuum for 16 hours. Permittivity at constant head of 2 inches and converted to hydraulic conductivity using Darcy’s Law and RCM thickness

⁴ Typical values are based on periodic data

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