

ENVIRO-SEAL® 12

ENVIRONMENTAL BENTONITE

ENVIRO-SEAL® 12 is a natural granular sodium bentonite (clay) engineered to include a range of particle sizes. This range of particle sizes makes ENVIRO-SEAL easier to work with in-situ while still offering enough small particles to maximize surface area. When hydrated, ENVIRO-SEAL 12 has an exceptionally low permeability and a high swelling capacity. Due to these unique properties, it is well-suited to a variety of waterproofing and sealing applications and may be used as a component of waterproofing membranes for both residential and commercial use. It works well as a coagulant in the field of wastewater treatment and has a high affinity for cationic contaminants. It also can be used to remove undesirable compounds from aqueous systems to enhance clarification.

Property	Method	Specification
Moisture, %	ASTM D5993	12.0 Max
Fluid Loss, ml	ASTM D5891	≤18
Swell Index, ml	ASTM D5890	≥24
Fraction ≥ 10 mesh, %	ASTM C136	≤7
Fraction < 70 mesh, %	ASTM C136	≤1
Fraction < 200 mesh, %	ASTM C136	≤0.5

Packaging

ENVIRO-SEAL is available in bags, bulk bags, bulk trucks, and bulk rail and can ship from our Lovell, WY plant.

Applications/Functions

- In-situ use
- Seal overlaps of geotextiles layers
- Backfill for radioactive waste disposal
- Suitable for absorption of specific dyes, pesticides, or heavy metals
- Water Treatment
- Geosynthetic clay liners (GCL)

Advantages

- Granular size enables ease of handling and minimizes dust
- Environmentally acceptable, non-biodegradable and non-toxic
- NSF Standard 60 Certified



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