



# ENVIROGEL® 200

## Product Information

### Description

**ENVIROGEL® 200** is a non-treated high swelling sodium bentonite processed specifically for soil/bentonite membranes installed where low permeability liners or caps are desired. Though appropriate in most soil types, **ENVIROGEL® 200** is particularly effective as an amendment to clays and silts since the finely ground bentonite particles blend well to fill small void spaces inherent in fine grained soils.

### Characteristics

#### Typical Sieve Analysis

Sieve Size	% Retained	% Passing
80	2.0	98.0
100	4.2	95.8
200	19.4	80.6
325	48.3	51.7

Processed Density:  
56.0 ± 4.0 lb/ft<sup>3</sup>

### Application

**ENVIROGEL® 200** is easily applied through a drop spreader for in-situ application, or can be preblended with soil in a pugmill operation. Typical addition rates will range from 2% to 8% depending upon base soil characteristics. A fine powder, it is highly efficient and disperses well into most types of soils.

### Suggested Specifications

- 2.1 The bentonite supplied as a soil sealant shall be high-swelling sodium montmorillonite clay referred to as Wyoming Bentonite or Sodium Bentonite. The bentonite shall be **ENVIROGEL® 200** as manufactured by Wyo-Ben, Inc. or an equal approved by the engineer prior to bid.
- 2.2 High swelling is defined as the ability of 2 grams of bentonite, when mechanically reduced to a minus 100 mesh, to swell in water to an apparent volume of 16 ccs or more when added a little at a time to 100 ccs of distilled water contained in a graduated cylinder.
- 2.3 The colloid content of the bentonite shall exceed 70% and is measured by evaporating and weighing the suspended portion from a 2% distilled water solution after 24 hours of sedimentation.
- 2.4 Dry fineness of the soil sealant shall be:  
80% minimum passing 200 mesh

### Packaging

**ENVIROGEL® 200** is available in bulk, both truck and rail, bulk sacks containing approximately 2,800 pounds each or 50 pound multi-walled paper bags, palletized for easy handling. **ENVIROGEL® 200** can be transferred by either pneumatic or mechanical conveyance systems.