



ENVIROGEL® 200 MSW

Product Information

Description

ENVIROGEL® 200 MSW is a high swelling sodium bentonite processed specifically for soil/bentonite membranes installed where low permeability liners or caps are desired. This product is chemically and polymerically treated to enhance its water wetting and contamination resistance characteristics. Though appropriate in most soil types, **ENVIROGEL® 200 MSW** 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/ft³

Application

ENVIROGEL® 200 MSW 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 MSW** 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 85% 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 MSW 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 MSW** can be transferred by either pneumatic or mechanical conveyance systems.