



CARPET AMERICA RECOVERY EFFORTSM
**Developing market-based solutions for the recycling & reuse
of post-consumer carpet**

Technical Specifications for Erosion Abatement



Purpose

- a. Control erosion
- b. Prevent water pollution
- c. Control sediment
- d. Control water flow rate

Composition

Erosion abatement system must be composed of materials which are

- a. Recycled, a minimum of 50% post industrial and 50% post consumer
- b. Reusable
- c. Free of natural fibers or absorbent material

Environmental Safety

Erosion abatement system must

- a. Contain no weeds or invasive plants
- b. Resist mildew or mold

Technical

Erosion abatement system must

- a. Meet Florida Specification 104 relating to the Prevention, Control & Abatement of Erosion and Water Pollution
 - i. have dimensions of 14" diameter x 45" length (bales)
 - ii. have dimensions of 9" diameter x 3' to 16' length (inlet filters)
 - iii. contain pre-made stake holes
 - iv. meet the Environmental Protection Agency's Toxicity Characteristics Leachate Procedure (TCLP) standards
 - v. produced into filter medium with needle punch fibers
 - vi. be made reusable by rinsing out within an acceptable area and procedures
- b. Remove suspended solids at percentages of (per Florida study)
 1. red clay: approximately 80%
 2. fine sand: approximately 80%
 3. sodium bentonite: approximately 30%
 4. asphalt milling: approximately 90%
- c. Remove turbidity at percentages of
 1. red clay: approximately 70%
 2. fine sand: approximately 40%
 3. sodium bentonite: approximately 20%
 4. asphalt milling: approximately 90%
- d. Maintain its structural integrity during normal rainfall and wet conditions

- e. Maintain its structural integrity over the length of the project

Dimensional & Application

Erosion abatement system must

- a. Be of a uniform size and weight
- b. Designed for end to end installation
- c. Contain pre-made holes for stakes for easy installation
- d. Be reusable

Warranties & Certification

GeoHay is manufactured on production lines with identified process controls to provide consistent, uniform products. Each unit is expected to perform per the technical specifications when properly installed. Consistent installation techniques are necessary to insure that GeoHay performs per the technical specifications. GeoHay, when used as directed, is a durable product designed for re-use. GeoHay is under warranty for its first full use (up to six months on site). GeoHay does not extend the warranty to multiple re-uses as handling, transportation, and washing may affect full performance.