



Vertex Fiber Reinforced Matrix Specification

Last Revision Date: 11/20/2013

1. Product Identification

Vertex is a Fiber Reinforced Matrix manufactured from virgin wood chips. It does not require additional tackifiers or additives to perform as an erosion control material and germination catalyst for slope re-vegetation.

2. Mixing

Add Vertex with approximately 100 gallons of water to each 50-pound bag. Add seed and fertilizer as specified.

3. Application

For slopes of less than 2.1: Apply Vertex to the ground surface from the top of the slope to the bottom. Allow the material to "rain on" the surface. First, apply a primary coat over the surface. Then apply additional coats over the same area repeating this procedure until 100% coverage is achieved. Do not apply a thick coat in a single pass. Applying Vertex to the flat surface at the top of the slope will help to eliminate the possibility of water getting under the applied material and causing erosion.

For slopes 2.1 and steeper: First, "paint" the surface with Vertex by pointing the nozzle straight down to drive the material, seed and fertilizer into the soil. During this application, the nozzle should be at a distance of 4-5 feet from the soil. After the initial covering, follow instructions above for "raining" material on the surface until 100% coverage is achieved.

4. Equipment

Vertex is mixed and applied with a hydro seeding machine. **Note:** A mechanically agitated hydro seeding machine is recommended. Follow equipment manufacturer's installation instructions and recommendations.

5. Product Composition / Property Values

Virgin Wood Fiber (<i>minimum</i>)	90%
Organic Material	99%
Tackifier (<i>maximum</i>)	10%
PH @ 25C (<i>10g/200ml</i>)	6.5 (+/-1)
Toxicity	non-toxic
Water Holding Capacity	13x own weight
Applied Color	Emerald Green

6. Packaging & Shipping

Bag Dimensions, Net Weight	10" x 18" x 29", 50lbs
Pallet Dimensions, Quantity	95"H x 47"W x 47"D, 40 Bags
Full Truckload	22 pallets, 880 bags
Half Truckload	11 pallets, 440 bags

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