

SECTION 02926

STRAW AND FIBER MULCH BINDERS

PART 1 GENERAL

1.01 SUMMARY

- A. This section specifies a spray-applied non-asphaltic tacking emulsion for [fiber mulch binding.] [straw and hay mulch binding.]
- B. Related Sections: Other Specification Sections which directly relate to the work of this Section include, but are not limited to, the following:
 - 1. Section 01570 - Temporary Erosion and Sediment Control.
 - 2. Section 02300 - Earthwork; establishment of subgrade
 - 3. Section 02370 - Erosion and Sedimentation Control.
 - 4. Section 02920 - Lawns and Grasses.

1.02 SUBMITTALS

- A. Product Data: Submit manufacturer's product data and installation instructions. Include required substrate preparation, list of materials, and application rate.

1.03 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials and products in factory labeled packages. Store and handle in strict compliance with manufacturer's instructions and recommendations. Protect from damage from weather, excessive temperatures, and construction operations.

PART 2 PRODUCTS

2.01 ACCEPTABLE MANUFACTURER

- A. PROFILE Products LLC, 750 Lake Cook Road – Suite 440, Buffalo Grove, IL 60089, 800-366-1180 (Fax 847-215-0577)

2.02 MATERIALS

- A. Tacking Emulsion: FiberBond Ultra by PROFILE Products LLC with the following characteristics:
 - 1. Materials: guar gum crosslinked hydro-colloid polymer, polyester fibers
 - 2. pH Range: 6.2 plus or minus 1.
 - 3. 1% Suspension: exceeds 4000 cps (30 minutes)
 - 4. Packaging: 4-7.5 lb - bags per case

PART 3 EXECUTION

3.01 SUBSTRATE PREPARATION

- A. Examine substrates and conditions where materials will be applied. Do not proceed with installation until unsatisfactory conditions are corrected, only apply product to geotechnically stable slopes that have been designed and built to divert the water shed away from the face of the slope, therefore eliminating surface flow energy from above from damaging the slope face.

GUIDE SPECIFICATIONS FOR FIBERBOND ULTRA

3.02 INSTALLATION

- A. Strictly comply with manufacturer's installation instructions and recommendations. Use approved hydro-spraying machines. Do not exceed maximum slope length of 35 feet when slope gradients are steeper than 4 to 1. Install materials at the following application rate:
1. Fiber Mulch Binding:
 - a. < 4:1 Slope: 30 pounds per acre.
 - b. < 2:1 Slope: 90 pounds per acre
 - c. > 2:1 Slope: 120 pounds per acre
 2. Straw and Hay Mulch Binding: 30 pounds of FiberBond Ultra and 150 pounds cellulose fiber per 1000 gallons of water per acre, or 90 pounds FiberBond Ultra per 1000 gallons of water per acre.

3.03 CLEANING AND PROTECTION

- A. Clean spills promptly. Advise Owner of methods for protection of sprayed areas.

END OF SECTION

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