

FiberBond Ultra[™]



Increase coverage and effectiveness for faster, thicker turf establishment.

FiberBond Ultra[™] is designed to enhance the performance of hydraulically applied fiber mulch materials. From creating a higher viscosity slurry to improving germination, FiberBond Ultra is a reliable—and affordable—high performance tackifier. Here's why:

- Crosslinked to provide superior erosion control effectiveness which dramatically improves the performance of the fiber mulch matrix
- Creates a higher viscosity slurry to increase the coverage and shooting distance of the fiber mulch
- Maximizes the loft of the fiber matrix by creating air pockets that improve the oxygen transfer for better turf establishment
- Enhances water infiltration and retains moisture to improve germination
- Strengthens the mechanical and chemical bond of hydraulic mulch matrices
- Enables the fiber matrix to handle higher rates of surface flow energy from major rainfall events
- Flexible—can be used with all types of hydraulic seeding machines

Physical Properties

pH Range	6.2 +/- 1
1% Suspension (30 min).	exceeds 4000 cps
Specific Gravity	1.07

Typical Application Rates

Fiber Mulch Binding:

< 4:1 Slope.	30 lbs/acre
< 2:1 Slope	90 lbs/acre
> 2:1 Slope.	120 lbs/acre

Straw and Hay Mulch Binding:

30 lbs of FiberBond Ultra and 150 lbs of cellulose fiber per 1000 gallons of water per acre, or 90 lbs of FiberBond Ultra per 1000 gallons of water per acre.

Packaging

Four 7.5 lb bags per case, 30-lb case

Directions for Use

Once the machine is 1/3 to 1/2 full of water, pour FiberBond Ultra slowly into the water flow at the point of greatest agitation prior to adding mulch, seed or amendments to the tank. Please refer to equipment manufacturer's loading instructions.

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.

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: crosslinked polysaccharide polymer, polyester fibers
2. pH Range: 6.2 plus or minus 1
3. 1% Suspension: exceeds 4000 cps (30 minutes)
4. Packaging: four 7.5 lb bags per case



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 geotechnical 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.

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 rates:

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.