



HYDROSTRAW® STRAWLOCK CERTIFICATE OF COMPLIANCE

CERTIFICATE OF COMPLIANCE

Patents Pending

Manufacturer: HydroStraw, LLC · 3676 W 9000N Rd · Manteno, IL 60950
Toll Free: 800-545-1755 · Fax: 815-468-7450 · www.hydrostraw.com · info@hydrostraw.com

HydroStraw, LLC certifies that HydroStraw® StrawLock contains the following properties and characteristics



DESCRIPTION:

HydroStraw® StrawLock : Our objective is to produce long pliable straw fibers that have been through our Heat & Mechanically Treated Process HMT™ that allows them to interact with the paper, organic fibers and glues to lock the

blown application of fibers together. The paper component is added to take advantage of the paper mache process allowing the matrix to lock the straw in place.

HydroStraw® StrawLock: The goal is to cover and coat the conventionally blown straw together to reduce its ability to be removed by the wind. The blown straw is in contact with the soil. The HydroStraw StrawLock is the be applied in a high viscosity slurry to keep the slurry in contact with the blown straw.

SPECIFICATIONS

HydroStraw® StrawLock uses a proprietary blend of binders and natural fibers that lock down the blown straw treatment. The primary fiber shall be produced from annually renewable straw fiber; all fiber materials should be free from plastic materials or other non bio-degradable substances. Fiber shall be of such character that the fiber will disperse into uniform slurry when mixed with water. Fiber shall be colored green, and shall not stain concrete or other surfaces. Fiber and other mulch ingredients shall be free from growth or germination inhibiting ingredients. Mulch Fiber shall be applied as a slurry solution by means of hydroseeder. It is imperative that the mulch be applied at the specified rate, in addition, too wet of a mixture will cause the fibers to be buried into the blown straw and render the fiber and binders less effective. Mulch Fiber shall be applied as a slurry solution by means of Hydroseeding. Mulch Fiber shall be applied at the specified rate per the specifications in a uniform manner. Care shall be exercised to ensure that the mulch application is uniform and even throughout the blown straw area; mulch shall not be bunched or clumped up on the site. Care shall also be taken to ensure that the blown straw treatment is adequately covered to lock it down in place and reduce potential blowing. Mulch applications shall be started on the windward side of the project.

Last Updated Jan. 21, 2011

Physical Characteristics

Toxicity	Non-Toxic
Applied Color	Green
Suface Tension	Material will evenly disperse and suspend when agitated in water
Absorbancy	When sprayed uniformly at the recommended rate over blown straw, the mulch fibers form a StrawLock cover which will allow percolation of water and increased water infiltration to the underlying blown straw matrix
Solubility	Mulch Fibers are non water soluble
PH	06.8 +/- 0.5
Average Fiber Length	1.0" +/- 1/4"

Packaging and Shipping Data

Bag Size	11.5" x 17" x 25"
Bag Cu.Ft.	3.2 cu.ft. - Compressed Bales
Pallet	40 bags (52W x 45D x 96H)
Full Truck	22 Pallets, 880 Bales
Packaging	Moisture resistant packaging

Composition

Heat & Mechanically Treated (HMT™) - Straw	66.0% +/- 1.0%
Natural Fibers for Matrix Entanglement	10.0% +/- 1.0%
Moisture Content	10.0% +/- 1.0%
Proprietary Crossed-Linked Tackifiers	4.0% +/- 1.0%
Paper	10.0% +/- 1.0%

Mixture Rates

Hose Work	60 lbs per 100 gallons
Tower Work	75 lbs per 100 gallons

Application Rate

750 - 1,500 lbs/ac

WARRANTY

HydroStraw, LLC warrants that its products are free from defects and will perform as stated in this literature. If our product does not meet products specifications, notice of failure must be received within 15 days of failure. HydroStraw, LLC will not warrant that the product will perform under unlimited circumstances that are caused by soil conditions, installation, and/or weather variables.