

**New Hampshire Department of Transportation  
Bureau of Materials & Research**

**Qualified Products List (QPL) – Qualification Criteria**

**Section 645 – Erosion Control, NHDOT Specifications**

**QPL Category: 645.H.Tackifiers**

**Product Requirements**

Product Description

A Tackifier shall be an all-natural, guar gum based, environmentally non-toxic product, formulated to bind straw, hay, or other mulch fibers together for hydraulic application. It shall be composed of a biodegradable plant material derived from the Guar or "cluster bean" plant (*Cyamopsis tetragonoloba*).

Environmental Compliance

The product shall not contain Polyacrylamide (PAM) or any other substance that would potentially cause an exceedance of water quality standards, as set forth in the applicable New Hampshire Department of Environmental Services (NH DES) and the United States Environmental Protection Agency (US EPA) regulations.

Duration of Functionality

The product shall not dissolve or disperse upon re-wetting, form water-resistant crust, or bio-degrade in less than 1 month after application.

Required Performance

- The product shall generally consist of a powder that will disperse into a uniform slurry when mixed with water.
- When sprayed uniformly over a surface with straw, hay, or other mulch material the Tackifier shall bind individual fibers together to resist movement from rain and wind.
- The product shall be free from growth or germination-inhibiting ingredients and will allow for the percolation of water through the treated surface.

**Required Submissions**

*Only complete product submittal packets will be considered for review.*

QPL Product Submittal Form

The submitted form must be the current, on-line version of the form, and must be completely filled out. It can be accessed here: <https://www.nh.gov/dot/org/projectdevelopment/materials/research/products.htm>.

Letter of Compliance

A Notarized letter on the manufacturer's letterhead affirming the product meets all Department requirements described herein.

Product Literature

All current product literature, including technical data sheets and Safety Data Sheets (SDS), relevant to the material's use, limitations, material properties, storage, mixing, application/installation, and all precautions for the product, as applicable.

**Product Performance Monitoring / Removal from QPL**

Product field performance and the product's technical data will be monitored by the Department. If either fails to meet the criteria noted herein, the product will be immediately removed from the QPL without notice to the manufacturer.

### Changes to Product Name, Manufacturer, or Formulation, of a Currently-Listed QPL Product

The Department's Product Evaluation Unit (PEU) shall be contacted immediately when a change to any of the following is made to a product currently listed in the QPL:

- Product Name
- Product Manufacturer
- Product Formulation

For a change in the product name and/or manufacturer, the product will remain in the QPL reflecting that change upon receipt of verification from the current or new manufacturer attesting the product formulation is unchanged. Verification shall consist of a letter signed by the manufacturer's representative.

For a change in product formulation, the PEU will determine whether:

- 1.) The formulation change could adversely affect the product's required performance, whereupon, it will be subject to removal from the QPL; or -
- 2.) The formulation change will not adversely affect the required performance of the product for its intended use; whereupon, the product will remain in the QPL.

If at any time it is determined that a product name, manufacturer, or formulation has changed without the required notification to the PEU, the product is subject to immediate removal from the QPL at the discretion of the Product Evaluation Unit. The product will not be re-listed in the QPL until the manufacturer provides the proper notification.

### Product Marking and Labeling

The product label shall be marked with the information as required by the applicable specification(s).

If a product was converted and/or relabeled from its original manufacturer, the product name on the packaging and all accompanying literature shall be that of the convertor or private label company.

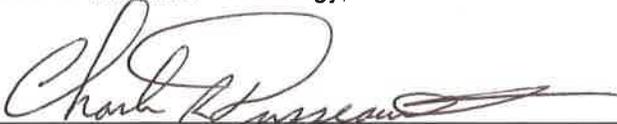
### Limitations

The Department continues to evaluate its qualification criteria as well as products that have been qualified against them, and reserves the right to revise the criteria and/or withdraw product qualification at any time for any reason without notice. Qualification of a product does not constitute an endorsement of the product, nor does it imply intent to purchase or specify the product.

### Qualification Criteria Approved by:



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