

QUALIFIED PRODUCTS POLICY 79
FEBRUARY 18, 2014

QUALIFIED PRODUCTS POLICY FOR
HYDRAULIC EROSION CONTROL PRODUCTS (HECP)
QUALIFIED PRODUCTS LIST 79

This policy covers Hydraulic Erosion Control Products (HECP) for use as erosion control. Only the products that appear on Qualified Products List 79 by the SCDOT Office of Materials and Research or otherwise accepted by the Engineer shall be used. Prior to inclusion on *SCDOT Qualified Product List 79*, provide the Office of Materials and Research (OMR) with the following information from the manufacturer:

- Written quality control program conforming to the requirements of the specification and meeting the minimum testing frequencies in the table below.
- Documentation of field and/or laboratory testing that quantifies the performance of the specific HECP conforming to the requirements of the specification.
 - Independent 3rd party testing evaluator identification (private, federal, state, local or university entities etc.). The evaluator cannot be the manufacturer.
 - Test facility name and location,
 - Signature of responsible person or party certifying the test results,
 - HECP manufacturer,
 - HECP name and model number tested,
 - Test ID number, and
 - Test date.
- Acute toxicity testing methods and results. Perform Acute Toxicity testing using ASTM 7101 or equivalent to ensure samples of runoff/effluent are taken from a small/bench scale mulch application and perform acute toxicity testing following EPA-821-R-02-012 Test Method 2021 (*Acute Toxicity Tests with Effluents and Receiving Waters using Daphnia*), or most current edition.
- Certification that the HECP performs to the minimum performance standards under the specific conditions stated in the specification.

QC Requirements Table

HECP Property	Acceptable Test Range	Minimum Required Frequency
Synthetic Fiber by Weight (if applicable)	± 2%	Once per hour
Organic Fiber by Weight	± 3%	Once per hour
Organic Fiber Moisture Content	± 3%	Once per hour
Tackifier Composition by Weight	± 2%	Once per hour
Net Dry Weight	± 3%	Once per hour
Organic Matter	± 5% ASTM D2974	Once every 3 years
Water Holding Capacity	± 5% ASTM D7367	Once every 3 years
Cover Factor	± 5% ASTM D6459 ^{1,2}	Once every 3 years
Vegetation Establishment	± 5% ASTM D7322 ¹	Once every 3 years

¹ASTM test methods developed for Rolled Erosion Control Products (RECPs) that have been modified to accommodate Hydraulic Erosion Control Products (HECPs).

² Utah State Protocol of 2.5:1 slope with rainfall simulated at 5 inches per hour for 60 minute duration, or TTI Protocol of 2:1 slope with rainfall simulated at 3.5 inches per hour with 3 successive test durations of 30 minutes each test in 24 hour intervals may be substituted for ASTM D6459.

Requests for qualification should be submitted to:

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