

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

Qualified Products List (QPL) – Qualification Criteria

Section 718 – Retroreflective Sheeting, NHDOT Specifications

QPL Category: 718.G. – Overlay Film

Product Requirements

Product Description

Overlay film shall be of a durable, transparent, acrylic material. Adhesive backing shall be pressure sensitive, and protected by a removable, translucent, synthetic release liner. The liner shall be printed with an indelible mark indicating the name of the film manufacturer.

Laboratory Test Performance

The product shall conform to the latest version of the Standard Specification for Retroreflective Sheeting for Traffic Control (ASTM D4956), for application, classification, and color designation when applied in composite form (with retroreflective sheeting).

Required Submissions

Only complete product submittal packets will be considered for review.

The following documents shall be sent to the Department's Product Evaluation Unit (PEU) for review in consideration of qualifying the product for inclusion in the QPL:

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

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

Laboratory Test Results

Product submittals without the required laboratory test documentation will not be reviewed.

Laboratory Testing

The Department will obtain and review the required test results from the AASHTO National Transportation Product Evaluation Program (NTPEP). Visit www.ntpep.org for information about submitting products to this program.

Field Test

Products in this category are required to be field tested through a NTPEP program. Once the program is completed, those test results will be reviewed for acceptability in conjunction with any required laboratory tests.

Manufacturer's Warranty

All overlay film will be covered by the manufacturer's warranty established for the associated retroreflective sheeting to which it is applied. All terms, conditions, durations and remedies of the warranty for retroreflective sheeting shall apply to the overlay film.

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 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 only 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 PEU. The product will not be re-listed in the QPL until the manufacturer provides complete, updated, information.

QPL Expiration Date / Product Test Frequency

Qualified products in this QPL section will list for a period of *7 years*, timed from the posting date of NTPEP's 3-year Final Laboratory/Field test data. Based on this calculation, a corresponding expiration date is assigned and shown in the QPL next to each product/series. All existing QPL supplier/manufacturers shall resubmit products to NTPEP for testing at least every 7-years, planning for sufficient lead time to complete the 3-year Final Laboratory/Field testing, and then resubmit the product to the PEU for a compliance review of all documentation prior to the product(s) expiration date.

Note: Although NTPEP 3-year Final Laboratory/Field test data is emphasized in this section, the PEU reviews all reported product data from the NTPEP testing cycle, not just the Final (third-year) data.

A grace period to 1/1/2021 was offered for products/series currently listed in the QPL with outdated, or no current NTPEP testing. The supplier/manufacturers were directed to (re)submit product/series to NTPEP for testing and submit the necessary data to PEU for review. These products will be evaluated and qualified using the range of available test results, from Initial Field Data to 3-year Final Laboratory/Field test data. The grace period condition does not apply to newly submitted products with no QPL history, those products will require full 3-year Final Laboratory/Field test data through NTPEP.

Expiring, and non-compliant products in general, will be subject to removal from the QPL.

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 all labels 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:

Chief of Materials Technology, Materials & Research

Bureau Administrator, Materials & Research