



QUALIFIED PRODUCT POLICY FOR GLASS FIBER REINFORCED POLYMER REINFORCEMENT BARS

1.0 General:

The purpose of this policy is to establish the requirements for producers of glass fiber reinforced polymer (GFRP) reinforcement bars to be included on Qualified Product List (QPL) 108 and to be included in South Carolina Department of Transportation (SCDOT) construction projects. To be included on QPL 108, producers must demonstrate that their product meets the requirements of SCDOT Supplemental Technical Specification SC-M-703 as outlined in this policy.

All producers that desire to be listed on Qualified Product List 108 must successfully complete an inspection by the American Association of State Highway and Transportation Officials (AASHTO) Product Evaluation and Audit Solutions program. Producers currently on QPL 108 must be in AASHTO compliance by July 1, 2025 to remain on the QPL.

For more information on this qualification program, visit the AASHTO website at <https://transportation.org/product-evaluation-and-audit-solutions/>. Producers must comply with AASHTO SP01, "Standard Practice for Audits" and AASHTO GFRP, "Evaluation of Glass Fiber Reinforcing Bar Manufacturers."

2.0 Initial:

- 2.1 A producer of GFRP reinforcement may request to be added to QPL 108 by submitting the following once AASHTO compliance has been achieved:
- A letter requesting inclusion on QPL 108 that includes:
 - The name and physical address of the production facility
 - The contact information of a facility representative to be the contact for the QPL
 - A copy of the AASHTO audit certificate, audit report, comparison test results, and the producer's responses to any audit deficiencies.
 - A certification letter stating that all material shipped to SCDOT projects will meet the requirements of ASTM D7957 and SCDOT Supplemental Technical Specification SC-M-703. The letter must include the date and a signature from the employee of the producer with the authority to attest to the statement.
 - One or more certified test reports showing all "Product Qualification" test data as required by ASTM D7957, Section 10.1.
 - This complete testing procedure must be performed and submitted separately for each grade of reinforcement if multiple grades are being submitted for qualification.

to:

Caleb Gunter, PE
Structural Materials Engineer
SCDOT Office of Materials and Research
(803) 737-6694
guntercb@scdot.org

2.2 The documentation submitted as described in Subsection 2.1 will be reviewed for completion and compliance with ASTM D7957. Causes for rejection include:

- AASHTO Conformance Test Results meeting one of the following:
 - More than one sample of any lot fails for any tested product property.
 - The average value of any tested product property for any lot is outside of the acceptable range.
- Incomplete submission or missing information.
- Submitted product qualification test data does not meet the limits set forth in Table 1 of ASTM D7957.

2.3 If all submitted documentation is complete and meets the requirements of Subsection 2.1, the producer will be added to QPL 108.

3.0 Qualification Renewal:

3.1 The producer must maintain AASHTO compliance to remain on QPL 108. If at any time a producer is deemed non-compliant, they will be removed from the QPL.

4.0 Additional Notes:

4.1 The SCDOT has the right to visit and audit any producer's facility and randomly select samples of product and witness testing by the producer.

4.2 The SCDOT may require and review additional information, and require additional alterations to testing or documentation before the producer's facility can be added to QPL 108.

4.3 In the event that the producer appears to be in compliance with all the requirements of this Policy, but the end product does not meet the Department's specifications, then the Structural Materials Engineer (SME) may take steps towards suspending the producer's SCDOT qualification status. If the problem has not been properly corrected within 30 days, the SME will revoke the qualification status of the producer until the producer demonstrates that all of the issues have been properly resolved.