



**Qualified Product Policy for:  
Liquid Anti-Strip Additives (LASA) for Asphalt Mixtures**

The procedures described in this policy will provide necessary steps to qualify a Liquid Anti-Strip Additive (LASA) used in asphalt mixtures for use in Department work. The steps listed below are required in order to be considered for the Qualified Product Listing (QPL). The procedures in this policy are for the convenience of the user and are intended to facilitate the use of LASA from producers that appear on the Department's QPL.

The initial request will include the following: technical literature for the product or process, instructions for use and any additional construction benefits when using the LASA product, a current safety data sheet (SDS), a minimum of three SCDOT mixtures that require Indirect Tensile Strength Testing where the LASA product has been tested using SCT-70 (or AASHTO T-283) and the results meet mix design guidelines in accordance with SCDOT Standard Specifications section 401.2.3.4.

In the event that the asphalt Contractor changes to a different source listed on QPL 104, a new set of TSR specimens must be made during the first day's production, and every 90 calendar days thereafter per SC-M-406. The initial approval of the new additive in one or more job mixes may be required by the Office of Materials and Research to ensure specification compliance when switching brands-types. This applies to any asphalt job mix that has Indirect Tensile Strength (ITS) test results listed in SC-M-402, Supplemental Specification, or Special Provision.

In order to remain on the QPL each year, the producer must submit an annual certification letter stating that the LASA has not changed from the original formulation or configuration. The Asphalt Materials Manager must receive annual recertification letters before December 30 of each year.

Each shipment of PG Binder will be accompanied by a Bill of Laden (BOL) upon arrival at the asphalt plant or project site destination. The information on the BOL must identify the dosage percentage and number of gallons introduced along with the gallons of PG binder. Every ticket will identify the additives by stating the following: manufacturer of additive, additive name, dosage for the additive to the nearest 0.1% for amines, and 0.01% for organosilanes, number of gallons introduced to the load of PG Binder, and ensure the LASA is in-line blended over 85% of load – per SC-M-406.

A copy of the BOL and all product documentation will be given to the Contractor's plant representative and kept on file at the asphalt plant.

The Department will honor the above accepted procedures until such time that:

- annual certification letter is not received and accepted by December 30 for the upcoming year
- documentation of the LASA is inappropriate
- materials are not remaining uniformly blended with the PG binder
- asphalt contractor or Department tests show that the LASA does not meet specifications in accordance to 401.2.3.4
- any product is not readily available (offered to customers) at an asphalt binder terminal on QPL 37

If these conditions should occur, immediate steps will be taken to obtain correct documentation or take additional samples for further testing. Results of these actions and/or tests will be used to determine the future status of the LASA as a qualified source.

SCDOT Contact:

Cliff Selkinghaus  
SCDOT  
Office of Materials and Research  
Asphalt Materials Manager  
P.O. Box 191  
Columbia, SC 29202  
Phone: (803) 737-6700  
E-mail: selkinghcb@scdot.org