

**KANSAS DEPARTMENT OF TRANSPORTATION
SPECIAL PROVISION TO THE
STANDARD SPECIFICATIONS, EDITION 2015**

SECTION 1719

RELEASE COMPOUND FOR ASPHALT MIXES

1719.1 DESCRIPTION

This specification covers release compounds for asphalt mixes. Except as noted below, the product may be submitted to KDOT for testing and evaluation or the product may be tested via AASHTO's National Transportation Product Evaluation Program (NTPEP) and the results evaluated by KDOT.

1719.2 REQUIREMENTS

Provide a concentrated liquid release compound containing no petroleum solvents (diesel fuel, kerosene, etc.) that complies with the following:

a. KDOT testing.

- Deleterious Effects: The percentage of coating on the aggregate-binder mixture containing the release compound is equal to that of the mixture without the release agent.
- Release Capabilities: A hot aggregate-binder mixture slides freely in a shallow pan wetted with the release compound.
- Effect on Asphalt Penetration: No more than 7 units difference between a sample in water and one placed in the release compound.

b. NTPEP testing. The listed requirements apply to all asphalt binders that might be used in the tests.

- 7-day Asphalt Stripping Test: No stripping or discoloration.
- Mixture Slide Test: No more than 10.0 grams remain adhered to the metal plate.
- Asphalt Performance Test: A "forth pull" results in at least 10.0 percent binder being retained on the metal plate. The first three pulls result in less than 10.0 percent binder being retained.

1719.3 TEST METHODS

a. KDOT testing. Test the material in accordance with KTMR-19.

b. NTPEP testing. Test the material in accordance with the NTPEP standard practice (work plan) for Asphalt Release Agents.

1719.4 PREQUALIFICATION

a. Each release compound must be prequalified. Submit a written request to be evaluated for prequalification to the Engineer of Tests, Bureau of Construction and Materials. Provide the following for each brand and type of material to be evaluated:

- (1) Name, address, and telephone number of the manufacturer and the preferred contact person.
- (2) Name of product and manufacturers dilution recommendation.
- (3) Material Safety Data Sheets.
- (4) For KDOT testing. Submit a one quart sample to the Engineer of Tests. Test results will be evaluated in relation to **subsection 1719.2a**. The manufacturer will be advised of the results. Samples for KDOT testing will be accepted until June 1, 2016. Thereafter, all testing will be through NTPEP.
- (5) NTPEP testing. Submit the most recent NTPEP test report (including color photos) along with evidence that the product being offered is identical to the one reported in the NTPEP report. Test results will be evaluated in relation to **subsection 1719.2b**.

b. The Bureau of Construction and Materials will maintain a list of prequalified release compounds. Any prequalified product that does not have a NTPEP test report on file as of January 1, 2019 will be removed from the

list of prequalified release compounds. Prequalification using NTPEP testing will require retesting every three years as detailed in the NTPEP standard practice for Asphalt Release Agents. Failure to retest and a consequent removal from the NTPEP website will result in the product's removal from the list of prequalified products. Changes in the formulation or manufacturing process, will require a new prequalification. Repeated failures of the release compound to function appropriately may result in the product's remove from the approved list.

1719.5 BASIS OF ACCEPTANCE

Prequalification as specified in **subsection 1719.4**.
Satisfactory performance in the field.

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Mar-16 Letting