

1502 - COLD APPLIED CHEMICALLY CURED JOINT SEALANT

SECTION 1502

COLD APPLIED CHEMICALLY CURED JOINT SEALANT

1502.1 DESCRIPTION

This specification covers cold applied chemically cured joint sealant and backer rod to be used for filling joints in portland cement concrete pavement.

1502.2 REQUIREMENTS

a. Joint Sealant. Prequalify joint sealant before use on KDOT projects. Use either Type NS (Non Self-Leveling) or Type SL (Self-Leveling). Provide joint sealants that consist of a cold applied formulation that is self-priming and compatible with portland cement concrete. The sealants must comply with the applicable test requirements in ASTM D 5893. Acetic acid cure sealants will not be accepted.

b. Backer Rod. Furnish material that is resilient closed or open cell polyethylene foam rod as recommended by the manufacturer of the sealant. Provide a backer rod compatible with the sealant, with no bond or reaction occurring between the rod and the sealant.

1502.3 TEST METHODS

Test materials covered by this section in accordance with the applicable test methods in ASTM D 5893.

1502.4 PREQUALIFICATION

a. Laboratory Prequalification. Manufacturers interested in qualifying sealant under this specification must supply actual test data from an approved testing laboratory showing compliance with the specification. Submit test results to the Engineer of Tests.

b. NTPEP Prequalification. Results of testing from the AASHTO National Transportation Product Evaluation Program (NTPEP) will also be accepted. Submit a copy of the most recent NTPEP test report to the Engineer of Tests. Include evidence that the product being offered is identical to the one reported in the NTPEP report.

c. Prequalified List. The Bureau of Construction and Materials will include products complying with **subsection 1502.2** on a prequalified list. Failure of any field installation in less than the anticipated life will be cause for removal of the product from prequalified status. Products removed from prequalified status will be considered for re-qualification if the manufacturer can provide evidence that the cause of failure has been positively identified, and necessary formulation changes and quality control measures have been implemented to eliminate that cause. Complete prequalification under **subsection 1502.4** is required for products removed from the prequalified list.

1502.5 BASIS OF ACCEPTANCE

a. Prequalified status as required in **subsection 1502.4**.

b. Receipt and approval of a Type A certification as specified in **DIVISION 2600**. Report all test requirements on the certification.

c. Use the material within 6 months of the date of the certification. If the material is not used within the 6 month period, re-testing and re-certification will be required. Use re-certified material within 45 days of the re-certification.