

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

Delete SECTION 2002 and replace with the following:

**SECTION 2002**

**HYDRATED LIME**

**2002.1 DESCRIPTION**

This specification covers hydrated lime suitable for use in mortar, portland cement concrete and the treatment of soil, soil-aggregate and asphalt mixtures.

**2002.2 REQUIREMENTS**

**a. General.** Ship and store lime in moisture proof containers. Lime that has become partially set or caked will be rejected.

**b. Hydrated Lime for Mortar and Concrete.** Provide Type N, normal finishing hydrated lime that complies with ASTM C 206.

**c. Hydrated Lime for Treating Soil, Soil-Aggregate and Asphalt Mixtures.**

(1) Hydrated lime for this purpose is any hydrated lime product consisting of hydrated lime and insoluble inert material and complying to the following:

- Available Lime Index as Calcium Hydroxide, %, min ..... 90

(2) Hydrated lime for treating soil, soil-aggregate and cold in-place recycle asphalt pavement may be manufactured at the jobsite by slaking pebble quicklime. Use equipment specifically manufactured for this purpose and approved by the Field Engineer. Provide a certification stating the purity of the load with each load of quicklime.

Verification sampling of the pebble quicklime is required on the basis of 1 sample per 10 loads. Identify the sample as raw material for lime slaking and submit a one-quart sample with the certification for the load sampled to the MRC for comparison to the laboratory test.

(3) Gypsum may be added, no more than 1% by weight, to assist in the pumpability of the lime slurry. If gypsum is used, it shall be incorporated into the process prior to slaking. Any addition of gypsum will be considered subsidiary to the Contract Documents.

**2002.3 TEST METHODS**

Sample and test according to the following methods:

- Chemical Analysis ..... ASTM C 25
- Sampling, other than field ..... ASTM C 50
- Sampling, Field ..... KT-29
- Physical Tests ..... ASTM C 110

**2002.4 PREQUALIFICATION**

None required.

**2002.5 BASIS OF ACCEPTANCE**

**a. Hydrated Lime.**

(1) Receipt and approval of a Type D certification as specified in **DIVISION 2600**.

**b. Pebble Quicklime (for slaking).**

- (1) Receipt and approval of the certified lime purity for each load of quicklime.
- (2) Visual inspection of the final product in the field.

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Jan-19 Letting