

SECTION 821 CONCRETE CURING MATERIALS

821.1 REQUIREMENTS:

Curing materials shall conform to the following requirements as specified:

- A. **Burlap Cloth made from Jute or Kenaf**..... AASHTO M 182 Class 3
(It will be permissible to use Class 1 or 2 provided it is placed in double layers.)
- B. **Liquid Membrane Forming Compounds for Curing Concrete**..... AASHTO M 148 Type 2
- C. **Polyethylene Sheeting:** White polyethylene sheeting shall be durable to withstand the intended job use, without puncturing or tearing. During cool weather, the Engineer may permit the use of black polyethylene sheeting in lieu of white polyethylene sheeting.
- D. **Linseed Oil Base Emulsion Compound for Curing Concrete:**
 - 1. **Composition:** The compound shall conform to the requirements of AASHTO M 148 Type 2, except as modified by the following:
 - a. The compound shall be a water emulsified linseed oil emulsion of 50 ±4 percent oil phase/50 ±4 percent water phase composition. (Linseed oil phase/water phase proportions shall be formulated exclusive of added pigment.)
 - b. Linseed oil used in the emulsion formulation shall consist of a blend of 80 percent boiled linseed oil and 20 percent Z-8 viscosity linseed oil, meeting the requirements of ASTM D 260.
 - c. The compound shall be sprayable above 50EF (10EC).
 - 2. **Storage:** The compound shall be stored at temperatures above 35EF (2EC). Compound stored for a period in excess of one construction season will require resampling and testing for compliance prior to use.