

SECTION 108

CONCRETE CURING MATERIALS

108.1 DESCRIPTION

Curing materials shall conform to the following requirements as specified.

108.2 MATERIALS

A. Curing Blankets:

1. **Burlap Cloth made from Jute or Kenaf**.....AASHTO M 182
2. **Non-woven Polypropylene Geotextile Fabric:** White non-woven polypropylene geotextile fabric conforming to the following requirements may be used in lieu of burlap for horizontal applications only. This material is not to be used for curing vertical surfaces.

Property	Test Method	Unit	Minimum Average Roll Value
Weight	ASTM D 5261	ounces/square yard	8.0

B. 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.

C. Liquid Membrane Forming Compounds for Curing Concrete: Shall be linseed oil base emulsion unless a different type is specifically required in the plans. White pigmented cure shall not be used on colored concrete.

1. **Linseed Oil Base Emulsion:** Shall conform to the requirements of ASTM C309 Type 2, except as modified by the following:
 - a) The compound shall be a water emulsified linseed oil emulsion of 50% \pm 4% oil phase/50% \pm 4% water phase composition. (Linseed oil phase/water phase proportions shall be formulated exclusive of added pigment.) The oil and water phase composition of linseed oil base emulsion shall be tested in accordance with SD 509.
 - b) Linseed oil used in the emulsion formulation shall consist of a blend of 80% boiled linseed oil and 20% Z-8 viscosity linseed oil.
 - c) The compound shall be sprayable above 40°F.

2. **Storage:** The compounds shall be stored at temperatures above 35°F. Compound stored for a period in excess of six months may be subjected to sampling and testing for compliance prior to use.

108.3 METHOD OF MEASUREMENT

Concrete curing materials shall be incidental to the various concrete construction bid items. There will be no separate measurement for concrete curing materials.

108.4 BASIS OF PAYMENT

Concrete curing materials shall be incidental to the various concrete construction bid items. There will be no separate payment for concrete curing materials.

END OF SECTION