SECTION 1026
CURING AGENTS FOR CONCRETE

1026-1 GENERAL

All curing agents shall be free from impurities that may be detrimental to the concrete. Do not use curing agent until the applicable tests have been performed for each batch and the Engineer has approved the curing agent.

1026-2 LIQUID MEMBRANE CURING COMPOUNDS

(A) General

Liquid membrane curing compounds shall meet ASTM C 309, except that when tested in the water retention test described in AASHTO T 155 the curing compound shall restrict the loss of water in the test specimen at the time of application of the compound to not more than 0.007 ounces per square inch.

The curing compound shall be Type 2, white pigmented, except where clear type is required for a particular application, the curing compound shall be Type 1D, clear or translucent with fugitive dye.

Deliver curing compound in the manufacturer's original clean, sealed containers. Legibly mark each container with the name of the manufacturer, the name of the compound, the type of compound, the manufacturer's batch number, the date of manufacture and the manufacturer's recommended shelf life.

Do not use curing compound that has been in storage for more than one year from the date of manufacture or more than the manufacturer's recommended shelf life, whichever is less.

(B) Test Procedures

Curing compound will be tested in accordance with ASTM C 309, except the size of molds for making test specimens will be approximately 5.5 inches in diameter by approximately 1 inch deep, or any other size selected by the Engineer.

1026-3 POLYETHYLENE FILM

Polyethylene film shall meet ASTM C 171for white opaque polyethylene film, except that when tested for moisture retention efficiency the loss shall not be more than 0.007 oz./sq.in of surface area.

1026-4 WATER

All water used for curing concrete shall meet Article 1024-4 and Table 1024-2. Water from wells, streams, ponds or public water systems may be used.

1026-5 BURLAP

Burlap shall meet AASHTO M 182. Any class of burlap will be acceptable.

Use new burlap or burlap that has been used for no purpose other than curing concrete. New burlap shall be free from starch, filler or other substances added during manufacture, or shall be washed to remove such substances before use.

SECTION 1028
JOINT MATERIALS

1028-1 JOINT FILLER

Provide a nonbituminous type joint filler that meets AASHTO M 153 for Types I, II or III, or a bituminous type that meets AASHTO M 213. Furnish a Type 3 material certification in accordance with Article 106-3 with each lot of the joint material supplied to each project.