

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

**SECTION 1406**

**SHEET MATERIALS FOR CURING CONCRETE**

**1406.1 DESCRIPTION**

This specification covers materials in sheet form used for covering the surfaces of hydraulic cement concrete to inhibit moisture loss during the curing period. In the case of white reflective materials, it also reduces temperature rise in concrete exposed to radiation from the sun. Materials included are clear and white opaque polyethylene film, white-burlap-polyethylene sheet, and white-fiber-polyethylene sheeting.

**1406.2 REQUIREMENTS**

**a. General.** Provide material that complies with ASTM C 171.

**b. Used Sheet Material.** Used sheet material must comply with the requirements stated above, and can only have been used previously for curing concrete. "Like new" cleanliness is not expected, but contamination with any substance foreign to the concrete curing process (e.g. grease or oil) will be cause for rejection.

**1406.3 TEST METHODS**

As specified in ASTM C 171.

**1406.4 PREQUALIFICATION**

None Required.

**1406.5 BASIS OF ACCEPTANCE**

**a.** New sheet materials will be accepted on the basis of a visual inspection for compliance with ASTM C 171.

**b.** Used sheet materials will be accepted on the basis of a visual inspection for compliance with ASTM C 171 and **subsection 1406.2b.**

**c.** Only the polyethylene material of White-Fiber-Polyethylene type sheeting need comply with ASTM C 171. The polyethylene material shall be securely bonded to the fiber to prevent separation of the materials during handling and wet curing of concrete.