

## DELAWARE MATERIAL SPECIFICATION

### SEALING COMPOUND FOR JOINTS IN CONCRETE AND CONCRETE PIPE MS 221

#### 1. SCOPE

This specification covers the quality of sealing compound for filling joints in concrete pipe and concrete structures.

#### 2. TYPE

The compound shall be a cold-application mastic, single component or multiple component type.

The single component type shall be a ready-mixed nondrying compound furnished in trowelling consistency or in preformed rope or strip form.

The multiple component type shall be composed of two or more substances that are to be mixed prior to application.

#### 3. QUALITY

Sealing compound shall conform to the requirements of one of the following specifications:

ASTM Specification D-1850; Concrete Joint Sealer, Cold-Application Type. Penetration, determined as specified in ASTM Specification D-1850, shall be not greater than 120.

Federal Specification SS-S-210A; Sealing Compound, Preformed Plastic, for Expansion Joints and Pipe Joints.

ASTM Specification D-1190 concrete joint sealer, hot poured elastic type.

Federal Specification TT-S-227; Sealing Compound: Elastomeric Type Multi-Component (for Caulking, Sealing, and Glazing in Buildings and other Structures), Type II.

The compound shall be capable of being applied at a temperature of 70°F and shall be of such nature that it will adhere to dry, dust free concrete when applied either directly or over a suitable primer. After curing it shall be a resilient, adhesive material that is capable of filling joints and firm enough to prevent the entry of subsequently placed concrete or of earth during the bedding, cradling, or backfilling operations.