

# EXPECTED IMPLEMENTATION JANUARY 2018

## 932 NONMETALLIC ACCESSORY MATERIALS FOR CONCRETE PAVEMENT AND CONCRETE STRUCTURES.

(REV4-11-17) (FA 6-8-17) (1-18)

SUBARTICLE 932-2.5 is deleted and the follow in substituted:

### **932-2.5 Ancillary Structures - Plain, Fiber Reinforced, or Fabric Laminated Bearing Pads:**

**932-2.5.1 Plain Pads:** Plain pads shall be either molded, extruded, or vulcanized in large sheets and cut to size. Cutting shall not heat the material and shall produce a smooth finish conforming to ANSI B46.1, 6.3  $\mu\text{m}$  (0.248 mils). Plain pads shall be molded or extruded to the finished thickness. Plying pads of lesser thickness together shall not be permitted. External load plates, when used, shall be protected from rusting and shall be hot bonded by vulcanization during the primary molding process. The finished pads shall withstand a minimum uniform compressive load of 1200 psi when tested in accordance with FM 5-598.

**932-2.5.2 Fiber Reinforced or Fabric Laminated Pads:** Fiber reinforced pads shall be constructed with a homogeneous blend of elastomer and random-oriented high strength synthetic fiber cords. Bearing pads may be molded and vulcanized in large sheets and cut to size. Cutting shall be performed so as to prevent heating and must produce a smooth finish conforming to ANSI B46.1.

Fabric laminated bearings shall be constructed of multiple layers of fabric and elastomer. The fabric shall be composed of 8 ounce cotton duck and the pads manufactured in accordance with Military Specification MIL-C-882. Ensure the fabric is free of folds or ripples and parallel to the top and bottom surfaces.

Fiber reinforced and fabric pads shall withstand a minimum uniform compressive load of 2,400 psi when tested in accordance with FM 5-598.

**932-2.5.3 Certification:** The Contractor shall submit to the Engineer a certification conforming to the requirements of Section 6 stating that the ancillary structure pads meet the requirements of this Section and the physical and heat resistance properties of FM 5-598. For bearing pads to be used under metal railings, submit certification indicating compliance with either, ASTM D2000 M1 BC (suffix grade 1 - basic requirements, type B, class C) or the physical and heat resistance properties of FM 5-598.