FLORIDA DEPARTMENT OF TRANSPORTATION
State Materials Office
5007 NE 39th Avenue
Gainesville, Florida 32609

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Florida Test Method
for
Bond Strength of Epoxy-Resin Systems
Used with Concrete by Slant Shear

Designation: FM 3-C 882

FM 3-C 882 is identical to ASTM C882/C882M except for the following provisions:

1. Expand Section 7.1 to allow for the use of Type I and Type II cements.

2. Expand Section 10.2.1.1 to waive the requirement for sand blasting when the specimen is prepared by saw cutting.

3. Delete Section 10.3.1 and replace with:

   "*Type I, III, IV, VI, and VII Systems, Grade 1, 2, or 3* - Two mortar sections will be needed for each test specimen. Carefully place a mortar section into a plastic mold, taking care to guide the mortar section to become flush with the bottom of the mold. Thoroughly mix the components of the bonding system per the manufacturer recommendations. Apply an approximately 1/8" thick coat of the bonding system to both faces of the mortar sections to be bonded. Thoroughly spread and work the bonding system into each face. Carefully align and insert the second mortar section into the mold until resistance is met. Using an arbor press, slowly bring the two mortar sections together to a firm contact. Air bubbles and excess bonding system will escape out the top of the mold, wipe away this excess."

4. Delete Section 10.3.1.1

5. Delete Section 10.3.1.2

6. Delete Section 10.3.2

7. Delete Section 10.3.3 and replace with:

   "*Type II and V Systems* - One hardened mortar section will be needed for each test specimen. Carefully place a mortar section into a plastic mold, taking care to guide the mortar section to become flush with the bottom of the mold. Thoroughly mix the components of the bonding system per the manufacturer recommendations. Apply an approximately 1/8" thick coat of the bonding system to the face of the mortar section to be bonded. Thoroughly spread and work the bonding system into the face. Support the mold so that the bonding surface of the mortar section is horizontal. Place a layer of freshly mixed portland cement mortar over the coated surface. Return the mold to its

vertical position and add additional mortar to fill the mold in one layer. Consolidate the mortar using an external vibrator in accordance with ASTM C192/C192M. Strike off the surface of the top layer with the trowel and cover the mold with a plastic lid. Cast three additional cylinders of the freshly mixed portland cement mortar to verify its compressive strength."

8. Delete Section 11.2