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**\*\*\*\*THIS IS A NEW IM. – PLEASE READ CAREFULLY.\*\*\*\***

**FAST-SETTING REPAIR MORTAR FOR CONCRETE**

**GENERAL**

Fast-setting repair mortars used for concrete shall meet the requirements of applicable Iowa Department of Transportation Specifications. These mortars shall be able to be used on horizontal, vertical and overhand locations. Acceptance of fast-setting repair mortars for use on Department of Transportation projects will be on the basis of manufacturer and brand name approval.

**APPROVAL**

To obtain approval for fast-setting repair mortars, the manufacturer shall submit the following items to the Office of Materials in Ames, Iowa:

1. Product identification including brand name and product number
2. Complete manufacturer recommendations for usage
3. A current Material Safety Data Sheet (MSDS)
4. An approved certified laboratory test report showing that the product meets the following criteria:

Initial Set (ASTM C807):	10 – 20 min.
Compressive Strength (ASTM C109):	Minimum 2000 psi, 1 day Minimum 4000 psi, 7 days
Shrinkage (ASTM C157 or C1090):	Maximum 0.2%

Approved manufacturers and brand names of fast-setting repair mortars for concrete will be listed in Appendix A in the April 2006 IM Revisions.

**CERTIFICATION**

The manufacturer shall file a certification with the Office of Materials at the beginning of each calendar year stating that the material supplied during that year is identical with the formulation previously tested and approved by the Office of Materials.

**MONITOR SAMPLING & TESTING**

The Office of Materials may sample and test fast-setting repair mortars to verify their capability of meeting the approval requirements.