

Illinois Department of Transportation  
Bureau of Materials and Physical Research  
**APPROVED LIST OF PACKAGED, DRY, COMBINED MATERIALS FOR MORTAR**  
**January 27, 2012**

**This list supersedes the February 18, 2011 list.**

Specification for Packaged, Dry, Combined Materials for Mortar is per submittal document.

**Material Code No. 22109**

**For information regarding new product submittal, click the "New Submittal" bookmark to the left.**

Euclid Chemical  
19218 Redwood Road  
Cleveland, OH 44110-2799  
Phone: (216) 692-8381  
Attn: Brian Lewis  
Producer/Supplier No. 614-01  
[www.euclidchemical.com](http://www.euclidchemical.com)  
**"Speed Crete Red Line"**

**Packaged, Dry, Combined Materials for Mortar  
Submittal for Testing and Approval**

Effective: January 29, 2010

Revised: October 14, 2011

**A. Scope**

The following guidelines are provided to clarify the submittal requirements and expedite the testing process for approving packaged, dry, combined materials for mortar according to Item B.

**B. Packaged, Dry, Combined Materials for Mortar Specification**

The mortar shall be high-strength according to ASTM C 387, and shall have a minimum 80.0 percent relative dynamic modulus of elasticity when tested according to Illinois Modified AASHTO T 161, Procedure B. The high-strength mortar shall have a maximum water soluble chloride ion content of 0.06% by weight (mass) of cement. The test shall be performed according to ASTM C 1218, and the hardened high-strength mortar shall have an age of 28 to 42 days at the time of test. The ASTM C 1218 test shall be performed a minimum of once every two years. The Department will maintain an "Approved List of Packaged, Dry, Combined Materials for Mortar".

**C. Procedure**

When submitting a packaged, dry, combined material for high-strength mortar to the Department, the following shall be included:

- The specific product brand name,
- A signed and dated letter certifying the product meets specifications outlined in ASTM C 387,
- Independent laboratory test results showing the water soluble chloride ion content percent by weight (mass) of cement according to ASTM C 1218 at 28 – 42 days of age. Test results shall be performed and resubmitted every 2 years,
- Material Safety Data Sheet,
- Technical Data Sheet including the mixing instructions for the submitted product,
- A signed letter stating the subject material will not be changed without written notification to the Department,
- Contact person's name, title, address, email address, and phone number, and
- Acknowledgement by Company (see next page).

The manufacturer shall submit three "as-sold" packages of the subject material intended for use on Department projects. Each bag shall show the product name and mixing instructions.

The sample and submittal information shall be sent to:

Melinda Winkelman  
Illinois Department of Transportation  
Bureau of Materials & Physical Research  
126 East Ash Street  
Springfield, IL 62704-4766

Any sample provided without the required information listed will not be tested. Any changes in the formulation outside the manufacturer's original parameters will necessitate a new sample submittal.

The manufacturer will be notified when the sample testing is complete. For questions regarding the testing and approval process, contact Melinda Winkelman at 217-782-0117.

**D. Recertification**

Annual recertification of all packaged, dry, combined materials for high-strength mortar is required. During the last quarter of the calendar year, a recertification letter will be sent to the manufacturer. The recertification paperwork is due January of the following year. For example, the recertification letter is mailed late November 2011 and due by mid January 2012.

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**Instructions for Acknowledgement by Company:**

The owner, partner, or corporate officer shall complete the following and return a signed and dated copy with the product submittal or recertification.

\_\_\_\_\_ desires to obtain advance approval of materials to be  
(Insert name of company)  
supplied to Department of Transportation contractors as more fully described herein. I  
and \_\_\_\_\_ understand that the Department of Transportation  
(Insert name of company)  
reserves the right in its contracts to approve materials at the source of supply as  
provided in Article 106.01 of the Standard Specifications for Road and Bridge  
Construction. I and \_\_\_\_\_ further understand that approval of  
(Insert name of company)  
company supplied material pursuant to this request does not constitute a contract to  
supply material to the State of Illinois or any of its contractors, and that the Department  
of Transportation does not assure or guarantee that any materials approved hereunder  
will be supplied to the State or any of its contractors. In consideration of approval, I and  
\_\_\_\_\_ agree to the terms, conditions and performance  
(Insert name of company)  
standards of the Standard Specifications for Road and Bridge Construction.

Type of Company:    Individual     Partnership     Corporation

Company Name \_\_\_\_\_

Printed Name \_\_\_\_\_

Signature \_\_\_\_\_

Title \_\_\_\_\_

Business Address \_\_\_\_\_

City/State/Zip Code \_\_\_\_\_

Date of Signature \_\_\_\_\_