

Illinois Department of Transportation  
Bureau of Materials and Physical Research  
**APPROVED LIST OF PACKAGED, DRY, RAPID HARDENING CEMENTITIOUS MATERIALS  
FOR CONCRETE REPAIRS  
February 3, 2012**

**This list supersedes the December 2, 2011 list.**

Guide Bridge Special Provision "Structural Repair of Concrete" (Revised October 15, 2011)  
Recurring Special Provision for Subsealing of Concrete Pavements (Revised January 1, 2007)  
Standard Specification for Road and Bridge Construction, Section 1018 (Adopted January 1, 2012)  
Standard Specification for Road and Bridge Construction, Section 1001 (Adopted January 1, 2012)  
Current Policy Memorandum, "Quality Control/Quality Assurance Program for Precast Concrete Products"  
Manual for Fabrication of Precast Prestressed Concrete Products

**RAPID HARDENING CEMENT (Special Provision-BDE)**

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

**Material Code No. 37901**

**If fine or coarse aggregate is added, the Material Code No. is 22106, "PATCHING MIXTURE, RAPID HARDENING CEMENT".**

CTS Cement Mfg. Co. / Rapid Set  
Products  
1731 West Indiana Avenue  
Beecher, IL 60401  
Phone: 708-921-2821  
Fax: 708-946-2845  
Attn: Jim Hansel – North of I-72

245 Sundew Drive  
Belleville, IL 62221  
Phone: 618-670-1153  
Fax: 618-277-2483  
Attn: Ed McLean  
Producer/Supplier No. 4894-03  
[www.ctscement.com](http://www.ctscement.com)  
**"RAPID SET CEMENT"**

Illinois Department of Transportation  
Bureau of Materials and Physical Research  
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**R1 MORTAR (Section 1018)**

**Material Code No. 22100**

**If coarse aggregate is added, the Material Code No. is 22102, "PATCHING MIXTURE, CONCRETE, R1".**

Quikrete  
500 Marathon Parkway  
Lawrenceville, GA 30046  
Phone: 770-216-9580  
Attn: Rich Braun  
Producer/Supplier No. 5719-03  
[www.quikrete.com](http://www.quikrete.com)

**"QUIKRETE QUICK-SETTING CEMENT"**

Illinois Department of Transportation  
Bureau of Materials and Physical Research  
**APPROVED LIST OF PACKAGED, DRY, RAPID HARDENING CEMENTITIOUS MATERIALS  
FOR CONCRETE REPAIRS**  
**February 3, 2012**

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**R2 MORTAR (Section 1018)**

**Material Code No. 22101**

If coarse aggregate is added, the Material Code No. is 22104, "PATCHING MIXTURE, CONCRETE, R2".

CTS Cement Mfg. Co. / Rapid Set Products  
1731 West Indiana Avenue  
Beecher, IL 60401  
Phone: 708-921-2821  
Fax: 708-946-2845  
Attn: Jim Hansel – North of I-72

245 Sundew Drive  
Belleville, IL 62221  
Phone: 618-670-1153  
Fax: 618-277-2483  
Attn: Ed McLean  
Producer/Supplier No. 4894-03  
[www.ctscement.com](http://www.ctscement.com)  
**"RAPID SET MORTAR MIX"**  
**"RAPID SET DOT REPAIR MIX"**

BASF Corporation - Building Systems  
889 Valley Park Drive  
Shakopee, MN 55379  
Phone: 952-403-6547  
Attn: Mark Aument  
Producer/Supplier No. 4179-05  
[www.BuildingSystems.BASF.com](http://www.BuildingSystems.BASF.com)  
**"10-61 RAPID MORTAR"**  
**"SET 45 HW REPAIR MORTAR"**

Dayton Superior Corporation  
4226 Kansas Ave.  
Kansas City, KS 66106  
Phone: 866-329-8724  
Attn: John C. Hukey  
Producer/Supplier No. 494-05  
[www.daytonsuperiorchemical.com](http://www.daytonsuperiorchemical.com)  
**"DAY-CHEM PERMA PATCH"**  
**"HD-50 HEAVY DUTY CONCRETE PATCH"**

Quikrete  
[500 Marathon Parkway  
Lawrenceville, GA 30046](http://500MarathonParkwayLawrencevilleGA30046)  
Phone: 770-216-9580  
Attn: Rich Braun  
Producer/Supplier No. 5719-03  
[www.quikrete.com](http://www.quikrete.com)  
**"QUIKRETE COMMERCIAL GRADE  
FASTSET REPAIR MORTAR"**

Specco Concrete Earth  
13087 Main Street  
Lemont, IL 60439  
Phone: 630-257-5060  
Attn: Jeffrey C. Bencsik  
Producer/Supplier No. 3936-01  
[www.specco.com](http://www.specco.com)  
**"SPECCOPATCH RS"**

This section is continued to the next page.

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Bureau of Materials and Physical Research  
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**R2 MORTAR (Section 1018)  
(Continued)**

**Material Code No. 22101**

**If coarse aggregate is added, the Material Code No. is 22104, "PATCHING MIXTURE, CONCRETE, R2".**

Sika Corporation  
201 Polito Avenue  
Lyndhurst, NJ 07071  
Phone: 219-448-1416  
Fax: 219-322-5625  
Attn: Nick Graziani  
Producer/Supplier No. 2231-01  
[www.sikaconstruction.com](http://www.sikaconstruction.com)  
**"SIKAQUICK 1000"**  
**"SIKAQUICK 2500"**

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Utilicor Technologies Inc.  
[49 Sheffield Street](#)  
Toronto, ON, Canada, M6M 3E5  
Phone: 416-391-3901  
Fax: 416-391-1400  
Attn: E. Marshall Pollock  
Producer/Supplier No. 6555-01  
[www.utilicor.ca](http://www.utilicor.ca)  
**"UTILIBOND"**

Illinois Department of Transportation  
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**R3 MORTAR (Section 1018)**

**Material Code No. 22103**

If coarse aggregate is added, the Material Code No. is 22105, "PATCHING MIXTURE, CONCRETE, R3".

Buzzi Unicem USA, Inc.  
(as manufactured by Western Material & Design, LLC  
P/S Number 6604-01)  
100 Brodhead Road, Suite 230  
Bethlehem, PA 18017-8989  
Phone: 610-882-5013  
Fax: 610-686-8795  
Attn: William Krupa  
Supplier No. 6097-08  
**"ULTI-GROUT"**

BASF Corporation - Building Systems  
889 Valley Park Drive  
Shakopee, MN 55379  
Phone: 952-403-6547  
Attn: Mark Aument  
Producer/Supplier No. 4179-05  
[www.BuildingSystems.BASF.com](http://www.BuildingSystems.BASF.com)  
**"SET 45"**

CTS Cement Mfg. Co. / Rapid Set Products  
1731 West Indiana Avenue  
Beecher, IL 60401  
Phone: 708-921-2821  
Fax: 708-946-2845  
Attn: Jim Hansel – North of I-72

245 Sundew Drive  
Belleville, IL 62221  
Phone: 618-670-1153  
Fax: 618-277-2483  
Attn: Ed McLean  
Producer/Supplier No. 4894-03  
[www.ctscement.com](http://www.ctscement.com)  
**"RAPID SET CEMENT ALL"**

The Euclid Chemical Company  
19218 Redwood Road  
Cleveland, OH 44110-2799  
Phone: 800-321-7628  
Fax: 216-531-9596  
Attn: Brian Lewis  
Producer/Supplier No. 614-01  
[www.euclidchemical.com](http://www.euclidchemical.com)  
**"EXPRESS REPAIR"**

MAPEI Corporation  
1144 East Newport Center Drive  
Deerfield Beach, FL 33442  
Phone: 954-531-5545  
Attn: Andrew Fulkerson  
Producer/Supplier No. 6354-01  
[www.MAPEI.us](http://www.MAPEI.us)  
**"PLANITOP 18"**

W.R. Meadows  
P.O. Box 338  
Hampshire, IL 60140  
Phone: 800-825-5976  
Fax: 847-683-4544  
Attn: Clint Shimon  
Producer/Supplier No. 1266-02  
[www.wrmeadows.com](http://www.wrmeadows.com)  
**"FUTURA®-15"**

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**R3 MORTAR (Section 1018)  
(Continued)**

**Material Code No. 22103**

**If coarse aggregate is added, the Material Code No. is 22105, "PATCHING MIXTURE, CONCRETE, R3".**

The Quikrete Companies  
500 Marathon Parkway  
Lawrenceville, GA 30045  
Phone: 770-216-9580  
Attn: Rich Braun  
Producer/Supplier No. 5719-01  
[www.quikrete.com](http://www.quikrete.com)

**"QUIKRETE COMMERCIAL GRADE  
FASTSET NONSHRINK GROUT"**

**"QUIKRETE COMMERCIAL GRADE  
FASTSET DOT MIX"**

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Specco Concrete Earth  
13087 Main Street  
Lemont, IL 60439  
Phone: 630-257-5060  
Attn: Jeffrey C. Bencsik  
Producer/Supplier No. 3936-01  
[www.specco.com](http://www.specco.com)

**"SPECRETE HIGHWAY REPAIR 928"**

**"SPECRETE PHASTPATCH D.O.T."**

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**R1 CONCRETE (Section 1018)**

**Material Code No. 22102 "PATCHING MIXTURE, CONCRETE, R1"**

None available.

Illinois Department of Transportation  
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**R2 CONCRETE (Section 1018)**

**Material Code No. 22104 "PATCHING MIXTURE, CONCRETE, R2"**

BASF Corporation  
889 Valley Park Drive  
Shakopee, MN 55379  
Phone: 952-250-1787  
Attn: Mark Aument  
Producer/Supplier No. 4179-05  
[www.buildingsystems.BASF.com](http://www.buildingsystems.BASF.com)  
**"10-60 RAPID MORTAR"**

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CeraTech, Inc.  
3501 Brehms Lane Suite D  
Baltimore, MD 21213  
Phone: 443-524-4410  
Fax: 443-524-4411  
Attn: Doug Clasen  
Producer/Supplier No. 6515-01  
[www.ceratechinc.com](http://www.ceratechinc.com)  
**"DOT LINE"**

Illinois Department of Transportation  
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**R3 CONCRETE (Section 1018)**

**Material Code No. 22105 "PATCHING MIXTURE, CONCRETE, R3"**

Buzzi Unicem USA, Inc.  
(as manufactured by Western Material & Design, LLC  
P/S Number 6604-01)  
100 Brodhead Road, Suite 230  
Bethlehem, PA 18017-8989  
Phone: 610-882-5013  
Fax: 610-686-8795  
Attn: William Krupa  
Supplier No. 6097-08  
**"ULTI-PAVE<sup>3</sup>"**

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The Quikrete Companies  
500 Marathon Parkway  
Lawrenceville, GA 30045  
Phone: 770-216-9580  
Attn: Rich Braun  
Producer/Supplier No. 5719-01  
[www.quikrete.com](http://www.quikrete.com)  
**"QUIKRETE COMMERCIAL GRADE  
FASTSET CONCRETE MIX"**

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CTS Cement Mfg. Co. / Rapid Set Products  
1731 West Indiana Avenue  
Beecher, IL 60401  
Phone: 708-921-2821  
Fax: 708-946-2845  
Attn: Jim Hansel – North of I-72

245 Sundew Drive  
Belleville, IL 62221  
Phone: 618-670-1153  
Fax: 618-277-2483  
Attn: Ed McLean  
Producer/Supplier No. 4894-03  
[www.ctscement.com](http://www.ctscement.com)  
**"RAPID SET CONCRETE MIX"**

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3501 Brehms Lane Suite D  
Baltimore, MD 21213  
Phone: 443-524-4410  
Fax: 443-524-4411  
Attn: Doug Clasen  
Producer/Supplier No. 6515-01  
[www.ceratechinc.com](http://www.ceratechinc.com)  
**"SL"**  
**"MAINLINE"**

**Packaged, Dry, Rapid Hardening Cementitious Materials  
For Concrete Repairs – Cement  
Submittal for Testing and Approval**

Effective: July 27, 2007

**A. Scope**

The following guidelines are provided to clarify the submittal requirements and expedite the testing process for approving packaged, dry, rapid hardening cement according to Section 1018 of the Department's Standard Specifications for Road and Bridge Construction<sup>1</sup>, Special Provision for Subsealing of Concrete Pavements<sup>1</sup>, and current BDE special provisions<sup>1</sup>.

**B. Procedure**

When submitting packaged, dry, rapid hardening cement to the Department, the following shall be included:

- The specific product brand name,
- Material Safety Data Sheet,
- Technical Data Sheet,
- A signed letter stating that 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 to five "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.

**C. Recertification**

Annual recertification of all packaged, dry, rapid hardening cement 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 2005 and due by mid January 2006.

<sup>1</sup> <http://www.dot.il.gov/desenv/hwyspecs.html>

Illinois Department of Transportation  
Bureau of Materials and Physical Research

**Packaged, Dry, Rapid Hardening Cementitious Materials  
For Concrete Repairs – Cement  
Submittal for Testing and Approval**

Effective: July 27, 2007

**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 \_\_\_\_\_

**Packaged, Dry, Rapid Hardening Cementitious Materials  
For Concrete Repairs - Mortar or Concrete  
Submittal for Review and Approval**

Effective: July 27, 2007  
Revised: December 31, 2009

**A. Scope**

The following guidelines are provided to clarify the submittal requirements and expedite the review process for approving packaged, dry, rapid hardening mortar or concrete according to [Section 1018 of the Standard Specifications for Road and Bridge Construction](#)<sup>1</sup>.

**B. Procedure**

When submitting packaged, dry, rapid hardening mortar or concrete to the Department, the following shall be included:

- The specific product brand name,
- Class of material (R1, R2, or R3 according to ASTM C 928),
- Independent laboratory test results which show the material meets ASTM C 928,
- Material Safety Data Sheet,
- Technical Data Sheet,
- 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 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 changes in the formulation outside the manufacturer's original parameters will necessitate new submittal of independent laboratory test results.

The manufacturer will be notified [upon completion of the Department's review](#). For questions regarding the [review](#) and approval process, contact Melinda Winkelman at 217-782-0117.

**C. Recertification**

Annual recertification of all packaged, dry, rapid hardening mortar or concrete 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 [2010](#) and due by mid January [2011](#).

<sup>1</sup> <http://www.dot.il.gov/desenv/hwyspecs.html>

Illinois Department of Transportation  
Bureau of Materials and Physical Research

**Packaged, Dry, Rapid Hardening Cementitious Materials  
For Concrete Repairs - Mortar or Concrete  
Submittal for Review and Approval**

Effective: July 27, 2007

**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 \_\_\_\_\_