

Illinois Department of Transportation  
Bureau of Materials and Physical Research  
**APPROVED LIST OF CONCRETE SEALERS**  
**April 20, 2012**

**This list supersedes the February 3, 2012 list.**

Standard Specifications for Road and Bridge Construction, Section 1026 (Adopted January 1, 2012)

Note: Prior to application of the included materials, the technical representative should be contacted for specific application instructions. These products are not approved for use as curing compounds. For information on curing compounds, contact the Concrete Lab Supervisor at 217-782-0117.

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

**WATER BASED CONCRETE SEALERS**  
**Material Code 42725**

SOURCE	PRODUCT	SURFACE CONDITION AT APPLICATION	* MAXIMUM APPLICATION RATE, m <sup>2</sup> / L (ft <sup>2</sup> / gal.)	APPLICATION TEMPERATURE RANGE (°F)	CONCRETE AGE BEFORE SEALER APPLICATION
Advanced Chemical Technologies	Sil-Act Multigard (P)(1) ▼	dry, clean, and no membrane curing compound	1 Application: 2.45 (100)	40-110	4 days minimum
▼Product Specific Note: Quart container application is prohibited; backpack container application is required. Mixing ratio requirement for backpack container application is 6:1 (water: concentrate).					
BASF Corporation	Enviroseal 20 (P)(1)	dry, clean, and no membrane curing compound	1 Application: 4.30 (175)	40 and rising	28 days
BASF Corporation	Enviroseal 40 (P)(1)	dry, clean, and no membrane curing compound	1 Application: 4.90 (200)	40-110	28 days
ChemTec International	ChemTec One (P)(4)	dry, clean, and no membrane curing compound	2 Applications: 2.45 (100) each	38-110	15 days minimum
Evercrete Corporation	Deep Penetrating Sealer (DPS) (P)(4)	clean of mortar, concrete, dirt, and oil	2 Applications: 4.40 (180) each	35 and rising	28 day minimum

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**WATER BASED CONCRETE SEALERS, Continued**  
**Material Code 42725**

SOURCE	PRODUCT	SURFACE CONDITION AT APPLICATION	* MAXIMUM APPLICATION RATE, m <sup>2</sup> / L (ft <sup>2</sup> / gal.)	APPLICATION TEMPERATURE RANGE (°F)	CONCRETE AGE BEFORE SEALER APPLICATION
SpecChem, LLC	SpecShield WB (P)(1/2)	free of curing compound, dust, debris, oil, any other contaminant	1 Application: 3.68 (150)	40-100	28 day minimum
TK Products	TK-290 WB (P)(2)	dry, clean, structurally sound, and free of grease, oil, and other contaminants	1 Application: 4.90 (200)	40 and above	28 days
Vexcon Chemicals, Inc.	Powerseal 40 (P)(1)	cleaned free of dust, dirt, surface materials, previous coatings and contaminants	1 Application: 3.50 (140)	40-85	14 day

\*Required for compliance with the Standard Specifications for Road and Bridge Construction, Section 1026 (Adopted 01/01/2012)

\*\*Apply to non-traffic surfaces only.

FOOTNOTES: (P) = Penetrating (F) = Film Forming  
(1) = Silane (2) = Siloxane (3)\*\* = Epoxy (4) = Silica (5) = Oxoaluminum Stearate

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**SOLVENT BASED CONCRETE SEALERS**  
**Material Code 42725**

<b>SOURCE</b>	<b>PRODUCT</b>	<b>SURFACE CONDITION AT APPLICATION</b>	<b>* MAXIMUM APPLICATION RATE, m<sup>2</sup> / L (ft<sup>2</sup> / gal.)</b>	<b>APPLICATION TEMPERATURE RANGE (°F)</b>	<b>CONCRETE AGE BEFORE SEALER APPLICATION</b>
Advanced Chemical Technologies	Sil-Act ATS-100LV (P)(1)	dry, clean, and no membrane curing compound	1 Application: 9.80 (400)	40-110	28 days minimum
BASF Corporation	Hydrozo 100 (P)(1)	dry, clean, and no membrane curing compound	1 Application: 9.80 (400)	40 and rising	28 days
BMS, Inc.	Clear Cladding (P)(5)	dry, clean, and no efflorescence or foreign matter	1 Application: 4.00 (163)	41 and above	30 days minimum
ChemMasters	Aquanil Plus 55 (P)(1)	Clean and free from dirt, dust, laitance, oil, grease, paints, curing or sealing compounds, tilt up bond breakers or other contaminants	1 Application: 4.90 (200)	Surface and ambient temperature minimum 40	28 days
ChemMasters	Aquanil Plus 40A (P)(1)	Clean and free from dirt, dust, laitance, oil, grease, paints, curing or sealing compounds, tilt up bond breakers or other contaminants	1 Application: 3.68 (150)	Surface and ambient temperature minimum 40	28 days

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**SOLVENT BASED CONCRETE SEALERS, Continued**  
**Material Code 42725**

<b>SOURCE</b>	<b>PRODUCT</b>	<b>SURFACE CONDITION AT APPLICATION</b>	<b>* MAXIMUM APPLICATION RATE, m<sup>2</sup> / L (ft<sup>2</sup> / gal.)</b>	<b>APPLICATION TEMPERATURE RANGE (°F)</b>	<b>CONCRETE AGE BEFORE SEALER APPLICATION</b>
Specco Concrete Earth	Waterstopper S-20 Siloxane (P)(2)	dry, clean, and free of all contaminates	1 Application: 5.50 (225) each	32 and above	28 days
TK Products	TK-290 BDS OTC (P)(2)	clean, dry, and structurally sound	1 Application: 4.90 (200)	40 or above	28 days
TK Products	TK-590-100 (P)(1)	Structurally sound and free of dirt, grease, oil form oils, and other contaminants	1 Application: 9.80 (400)	Air and surface temperature above 35	14-28 days
TK Products	Tri-Silane TK-590-90 (P) (1)	Structurally sound and free of all grease, oil, form oils, or other contaminants.	1 Application: 9.80 (400)	Air and surface temperature above 35	14-28 days
TK Products	TK-590-100 (P) (1)	Clean and structurally sound, free of all grease, oil, form oils, or other contaminants.	1 Application: 12.25 (500)	Air and surface temperature above 35	14 days

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**PLURAL COMPONENT CONCRETE SEALERS**  
**Material Code 42726**

<b>SOURCE</b>	<b>PRODUCT</b>	<b>SURFACE CONDITION AT APPLICATION</b>	<b>* MAXIMUM APPLICATION RATE, m<sup>2</sup> / L (ft<sup>2</sup> / gal.)</b>	<b>APPLICATION TEMPERATURE RANGE (°F)</b>	<b>CONCRETE AGE BEFORE SEALER APPLICATION</b>
Advanced Chemical Technologies	Sil-Act EP-700D (F)(3)**	dry, clean, and no membrane curing compound	1 Application: 1.96 (80)	40 and above	21-28 days minimum
ChemMasters	Safe-Cure & Seal EPX (F)(3)**	dry, clean, and no membrane curing compound	1 Application: 4.90 (200)	50-90	28 days minimum

\*Required for compliance with the Standard Specifications for Road and Bridge Construction, Section 1026 (Adopted 01/01/2012)

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(1) = Silane (2) = Siloxane (3)\*\* = Epoxy (4) = Silica (5) = Oxoaluminum Stearate

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These products are not approved for use as curing compounds. For information on curing compounds, contact the Concrete Lab Supervisor at 217-782-0117.

**CONCRETE SEALER COMPANY CONTACT INFORMATION**

Advanced Chemical Technologies  
Broadway Business Park 1  
100 West Wilshire Boulevard, Suite C-1  
Oklahoma City, Oklahoma 73116  
Phone: 405-843-2585  
Attention: Ms. Dawn Hubbs  
Producer/Supplier Number: 5215-01  
[www.advchemtech.com](http://www.advchemtech.com)

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BASF Corporation  
889 Valley Park Drive  
Shakopee, Minnesota 55379  
Phone: 952-250-1787  
Attention: Mr. Mark Aument  
Producer/Supplier Number: 4179-05  
[www.BuildingSystems.BASF.com](http://www.BuildingSystems.BASF.com)

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BMS, Inc.  
6255 McLeod Drive – Suite 9  
Las Vegas, Nevada 89120  
Phone: 702-740-4949  
Fax: 702-740-4950  
Attention: Ms. Denise Redman  
Producer/Supplier Number: 6471-01  
[www.belzona.com](http://www.belzona.com)

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ChemMasters  
300 Edwards  
Madison, Ohio 44057-3112  
Phone: 440-428-2105  
Attention: Mr. John Kirk  
Producer/Supplier Number: 5410-01  
[www.chemmasters.net](http://www.chemmasters.net)

ChemTec, International  
7771 Woodstone Drive, Suite 100  
Cincinnati, Ohio 45244  
Phone: 513-474-2090  
Attention: Mr. James Sist  
Producer/Supplier Number: 5833-01  
[www.concretesealer.net](http://www.concretesealer.net)

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Evercrete Corporation  
Miami Center  
201 South Biscayne Boulevard, Floor 28  
Miami, Florida 33131  
Phone: 305-538-8321  
Fax: 305-538-8739  
Attention: Mr. Leif Bertrand  
Producer/Supplier Number: 6357-01  
[www.evercrete.com](http://www.evercrete.com)

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SpecChem, LLC  
1619 Walnut Street  
Kansas City, Missouri 64108  
Phone: 913-221-7957  
Attention: Mr. Bryan Meyer  
Producer/Supplier Number: 6389-01  
[www.specchemllc.com](http://www.specchemllc.com)

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Specco Concrete Earth  
13087 Main Street  
Lemont, Illinois 60439  
Phone: 630-257-5060  
Attention: Mr. Jeff Bencsik  
Producer/Supplier Number: 3936-01  
[www.concreteearth.com](http://www.concreteearth.com)

TK Products  
11400 West 47<sup>th</sup> Street  
Minnetonka, Minnesota 55343  
Phone: 800-441-2129  
Attention: Mr. Don Kopidlansky  
Producer/Supplier Number: 4173-01  
[www.tkproduct.com](http://www.tkproduct.com)

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Vexcon Chemicals, Inc.  
7240 State Road  
Philadelphia, Pennsylvania 19135  
Phone: 888-839-2661  
Attention: Mr. Clifford Platt  
Producer/Supplier Number: 4877-01  
[www.vexcon.com](http://www.vexcon.com)

**Concrete Sealers**  
**Submittal for Testing and Approval**

Effective: July 27, 2007  
Revised: October 3, 2008

**A. Scope**

The following guidelines are provided to clarify the submittal requirements and expedite the testing process for approving concrete sealer according to Section 1026 of the Standard Specifications for Road and Bridge Construction<sup>1</sup>.

**B. Procedure**

When submitting a concrete sealer to the Department, the following shall be included:

- The specific product brand name,
- Material Safety Data Sheet,
- Technical Data Sheet,
- An IR scan marked with the date the scan was performed, manufacturer's name, and product name,
- 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 one "as-sold" package or 1 liter (1 quart) sample of the subject material intended for use on Department projects.

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 concrete sealers 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

**Concrete Sealers  
Submittal for Testing and Approval**

Effective: July 27, 2007  
Revised: October 3, 2008

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