

Illinois Department of Transportation
Bureau of Materials and Physical Research
APPROVED LIST OF CONCRETE SEALERS
February 3, 2012

This list supersedes the July 15, 2011 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 ² / L (ft ² / 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, m² / L (ft² / 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

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**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

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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

SOURCE	PRODUCT	SURFACE CONDITION AT APPLICATION	* MAXIMUM APPLICATION RATE, m ² / L (ft ² / gal.)	APPLICATION TEMPERATURE RANGE (°F)	CONCRETE AGE BEFORE SEALER APPLICATION
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

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PLURAL COMPONENT CONCRETE SEALERS
Material Code 42726

SOURCE	PRODUCT	SURFACE CONDITION AT APPLICATION	* MAXIMUM APPLICATION RATE, m ² / L (ft ² / gal.)	APPLICATION TEMPERATURE RANGE (°F)	CONCRETE AGE BEFORE SEALER APPLICATION
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

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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

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

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

ChemMasters
300 Edwards
Madison, Ohio 44057-3112
Phone: 440-428-2105
Attention: Mr. John Kirk
Producer/Supplier Number: 5410-01
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

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

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

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

TK Products
11400 West 47th Street
Minnetonka, Minnesota 55343
Phone: 800-441-2129
Attention: Mr. Don Kopidlansky
Producer/Supplier Number: 4173-01
www.tkproduct.com

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

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 Construction¹.

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.

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

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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 _____