

Illinois Department of Transportation  
Bureau of Materials

Qualified Product List  
**CONCRETE SEALERS**

May 19, 2023

**This list supersedes the January 7, 2022 list.**

Standard Specifications for Road and Bridge Construction, Section 1026 (Adopted January 1, 2022)

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.

**Application rates above 9.80 m<sup>2</sup>/L (400 ft<sup>2</sup>/gal) will not be tested or allowed.**

**Pavement markings shall be masked as required by contract documents.**

**CAUTION!! Please read manufacturer's Safety Data Sheet (SDS) prior to using this type of material. !!CAUTION**

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

**WATER 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 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).					
ChemTec International	ChemTec One (P)(4)	dry, clean, and no membrane curing compound	2 Applications: 2.45 (100) each	38-95	15 days minimum

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**WATER 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>
ChemMasters	Powerseal 40 (P)(1)	Cleaned free of dust, dirt, surface materials, previous coatings and contaminants	1 Application: 9.30 (380)	40-85	14 days
Evonik Corporation	Protectosil AQUA-TRETE 40 (P)(1)	Clean of dirt, dust, efflorescence, mold, salt, grease, oil, asphalt, laitance, curing compounds, paint, and coatings	1 Application: 4.90 (200)	40-110	28 days

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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
MAPEI	Planiseal WR 40 (P)(1)	Structurally sound, free of dust, efflorescence, oil, dirt, curing compound, form release, other contaminants	1 Application: 4.90 (200)	Above 40	28 days minimum
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 days 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

\*Required for compliance with the Standard Specifications for Road and Bridge Construction, Section 1026 (Adopted 04/01/2016)

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

FOOTNOTES: (P) = Penetrating (F) = Film Forming  
(1) = Silane (2) = Siloxane (3)\*\* = Epoxy (4) = Silica (5) = Oxoaluminum Stearate (6) = Isopropanol (7) = Sodium Silicate

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**SOLVENT BASED CONCRETE SEALERS**  
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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
Advanced Chemical Technologies	Sil-Act ATS-100 (P)(1)	dry, clean, and free of dirt, dust, oil, grease, curing compounds, coatings, and contaminants	1 Application: 6.13 (250)	40-110	28 days minimum
Advanced Chemical Technologies	Sil-Act ATS-190LV (P)(1)	Remove dirt, dust, oil, grease, curing compounds, coatings and other surface contaminants.	1 Application: 9.80 (400)	40-110	14 days minimum
Advanced Chemical Technologies	Sil-Act ATS-190FD (P)(1)	Clean, dry, free of dirt, oil, grease, curing compounds, coatings, and contaminants.	1 Application: 9.80 (400)	20-110	28 days

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**SOLVENT 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
ChemMasters	Aquanil Plus 40-A (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 40-100 maximum	14 days
ChemMasters	Aquanil Plus 100 (P)(1)	Clean, free from dirt, dust, laitance, oil, grease, paints, curing or sealing compounds, tilt up bond breakers or other contaminants	1 Application: 9.80 (400)	Surface and ambient temperature must be minimum of 40-100 maximum	28 days minimum
ChemMasters	Certi-Vex Penseal 244 40% AIM (P)(1)	free of dust, dirt, surface materials, previous coatings & contaminants	1 Application: 7.35 (300)	32-90	14 days
ChemMasters	Certi-Vex Penseal 244 100% (P)(1)	free of dust, dirt, surface materials, previous coatings & contaminants	1 Application: 9.80 (400)	32-90	14 days

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Evonik	Protectosil 800 (P) (1)	Air-dry and clean (high pressure water cleaning or steam cleaning is recommended)	1 Application: 9.80 (400)	Outside and substrate 41-104	28 days
MAPEI	Planiseal WR 100 (P)(1)	dry, free of dust, efflorescence, oil, dirt, curing compounds, form release or other contaminants	1 Application: 4.90 (200)	Material and surface: 40-95	28 days minimum
W.R. Meadows	Pentreat 244-100 (P)(1)	clean, free from dirt, efflorescence, ad stains	1 Application: 9.80 (400)	Surface temperature 5.5° above dew point	28 days
Specco Industries, Inc.	Water Stopper S-20 Siloxane (P)(2)	dry, clean, and free of all contaminates	1 Application: 5.50 (225)	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

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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 M (P)(1)	Clean, structurally sound, remove all grease and oils and contaminants	1 Application: 9.80 (400)	20-100	28 days
TK Products	TK-590 M-90 (P)(1)	Clean, structurally sound, remove all grease and oils and contaminants	1 Application: 7.35 (300)	35 and above	28 days

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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 (6) = Isorpropanol (7) = Sodium Silicate

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**PLURAL COMPONENT CONCRETE SEALERS**  
Material Code 42726

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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
TK Products	TK-2110 Bridge Deck & Crack Sealer (F)(3)**	free from any foreign material	1 Application: 4.90 (200)	above 50	28 days minimum

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(1) = Silane (2) = Siloxane (3)\*\* = Epoxy (4) = Silica (5) = Oxoaluminum Stearate (6) = Isopropanol



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**CONCRETE SEALER COMPANY CONTACT INFORMATION**

Advanced Chemical Technologies  
9608 North Robinson Avenue  
Oklahoma City, Oklahoma 73114  
Phone: 405-843-2585  
Attention: Mr. Kevin Brown  
Producer/Supplier Number: 5215-01  
[www.advchemtech.com](http://www.advchemtech.com)

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ChemMasters  
300 Edwards Street  
Madison, Ohio 44057-3112  
Phone: 800-486-7866  
440-428-2105  
Attention: Mr. John Kirk  
Producer/Supplier Number: 5410-01  
[www.chemmasters.net](http://www.chemmasters.net)

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ChemTec, International  
7771 Woodstone Drive, Suite 100  
Cincinnati, Ohio 45244  
Phone: 513-474-2090  
513-658-2090  
Attention: Mr. James Sist  
Producer/Supplier Number: 5833-01  
[www.concretesealer.net](http://www.concretesealer.net)

Evonik Corporation  
2 Turner Place  
Piscataway, New Jersey 08854  
Phone: 732-981-5463  
Attention: Mr. Christopher Hitcho  
Producer/Supplier Number: 6900-01  
[www.protectosil.com](http://www.protectosil.com)

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MAPEI Americas  
1144 East Newport Center Drive  
Deerfield Beach, Florida 33442  
Phone: 954-246-8520  
Attn: Mr. Bruce Haller  
Producer/Supplier Number 6354-01  
[www.mapei.com](http://www.mapei.com)

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W.R. Meadows  
300 Industrial Drive  
PO Box 338  
Hampshire, Illinois 60140  
Phone: 800-825-5976  
224-325-1080  
Attention: Mr. Christopher Mader  
Producer/Supplier Number: 1266-02  
[www.wrmeadows.com](http://www.wrmeadows.com)

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SpecChem, LLC  
1511 Baltimore Avenue, Suite 600  
Kansas City, Missouri 64108  
Phone: 866-791-8700  
312-579-5166  
Attention: Mr. Nick Carroll  
Producer/Supplier Number: 6389-01  
[www.specchemllc.com](http://www.specchemllc.com)

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**List continued to next page.**

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**CONCRETE SEALER COMPANY CONTACT INFORMATION (continued)**

Specco Industries  
601 North 5<sup>th</sup> Avenue  
Kankakee, Illinois 60901  
Phone: 800-441-6646  
630-257-5060  
Attention: Mr. Jeff Bencsik  
Producer/Supplier Number: 3936-01  
[www.specco.com](http://www.specco.com)

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TK Products  
11400 West 47<sup>th</sup> Street  
Minnetonka, Minnesota 55343  
Phone: 800-441-2129  
608-573-0890  
Attention: Mr. Al Wendorf  
Producer/Supplier Number: 4173-01  
[www.tkproduct.com](http://www.tkproduct.com)

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**Submittal for Testing and Approval**

**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.

**B. Procedure**

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

- The specific product brand name,
- 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 (form [BMPR 101](#)). If your company does not already have a product included on an IDOT QPL, please submit a signed copy of the Acknowledgement by Company form with your product submittal.

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  
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 2022 and due by mid January 2023.