

Illinois Department of Transportation
Bureau of Materials

Qualified Product List
CONCRETE SEALERS

July 30, 2021

This list supersedes the March 5, 2021 list.

Standard Specifications for Road and Bridge Construction, Section 1026 (Adopted April 1, 2016)

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 m²/L (400 ft²/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

SOURCE	PRODUCT	SURFACE CONDITION AT APPLICATION	* MAXIMUM APPLICATION RATE, m² / L (ft² / 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).					
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
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SOURCE	PRODUCT	SURFACE CONDITION AT APPLICATION	* MAXIMUM APPLICATION RATE, m ² / L (ft ² / gal.)	APPLICATION TEMPERATURE RANGE (°F)	CONCRETE AGE BEFORE SEALER APPLICATION
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
International Chem-Crete Corporation	Chem-Crete Pavix CCC100 (P)(6)	clean, sound, and free of dirt, oil, grease, and previous sealers	1 Application: 4.90 (200)	40 and above	28 days minimum

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WATER BASED CONCRETE SEALERS, Continued
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SOURCE	PRODUCT	SURFACE CONDITION AT APPLICATION	* MAXIMUM APPLICATION RATE, m ² / L (ft ² / 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
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 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 ² / L (ft ² / 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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SOLVENT BASED CONCRETE SEALERS, Continued
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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.	Waterstopper 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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SOLVENT BASED CONCRETE SEALERS, Continued
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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

*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) = Isoropropanol (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
ChemMasters	Safe-Cure & Seal EPX (F)(3)**	dry, clean, and no membrane curing compound	1 Application: 4.90 (200)	50-90	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: Ms. Katie Tye
Producer/Supplier Number: 5215-01
www.advchemtech.com

ChemMasters
300 Edwards
Madison, Ohio 44057-3112
Phone: 800-486-7866
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

Evonik
2 Turner Place
Piscataway, New Jersey 08854
Phone: 732-981-5105
Attention: Mr. Max McCarthy
Producer/Supplier Number: 6900-01
www.protectosil.com

International Chem-Crete Corporation
800 Security Row, Suite 1
Richardson, Texas 75081
Phone: 972-671-6477, 800-480-0878
Fax: 972-238-0307
Attention: Ms. Sarah Al-Rashed
Producer/Supplier Number: 6923-01
www.chem-crete.com

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

W.R. Meadows
300 Industrial Drive
PO Box 338
Hampshire, Illinois 60140
Phone: 847-214-2291
Attention: Ms. Anita Vuckovska
Producer/Supplier Number: 1266-02
www.wrmeadows.com

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

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CONCRETE SEALER COMPANY CONTACT INFORMATION (continued)

Specco Concrete Earth
601 North 5th Avenue
Kankakee, Illinois 60901
Phone: 630-257-5060
Attention: Mr. Jeff Bencsik
Producer/Supplier Number: 3936-01
www.specco.com

TK Products
11400 West 47th Street
Minnetonka, Minnesota 55343
Phone: 800-441-2129
608-573-0890
Attention: Mr. Al Wendorf
Producer/Supplier Number: 4173-01
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 2021 and due by mid January 2022.