

Approved Product List for Bridge Concrete Sealers
October 21, 2021
(This List supersedes all previous Lists)

Type 1a

Appl. Rate (mL/m²)	Product Name	Manufacturer	Alberta Supplier
320	Sikagard SN-40 Lo-VOC	Sika Canada Inc.	Sika Canada Inc./ National Concrete Accessories/ Brock White Canada Company/ Conuvo Construction Materials
204	Baracade Silane 40 EX	Euclid Canada Inc.	Con-Spec Industries Ltd./Brock White Construction Materials/Unicon Concrete Solutions

Alberta Transportation Sealer Classification:

Type 1a - Penetrating sealers used for traffic bearing surfaces in sheltered conditions where the relative moisture content is less than or equal to 55%.

Notes:

The application rates listed are for relative comparison of products on laboratory concrete. Application rates must be adjusted to suit field conditions and the type of sealer product previously applied to the concrete.

All sealer products must meet the latest requirements of the "Specification for the Supply of Concrete Sealers" (B388).

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Type 1b			
Appl. Rate (mL/m²)	Product Name	Manufacturer	Alberta Supplier
224	Sikagard SN-40 Lo-VOC	Sika Canada Inc.	Sika Canada Inc./ National Concrete Accessories/ Brock White Canada Company/ Conuvo Construction Materials
316	Sikagard 740 W *	Sika Canada Inc.	Sika Canada Inc./ National Concrete Accessories/ Brock White Canada Company/ Conuvo Construction Materials
314	Master Protect H400* <i>(Hydrozo Enviroseal 40)</i>	BASF	Brock White Canada Company/ Unicon Concrete Specialties Ltd./ National Concrete Accessories/ Cascade Aqua-Tech Ltd.
174	Protectosil BHN	Evonik Degussa Corporation	Cast Supply/ Dukes Distributors
312	* AQUA-TRETE 40	Evonik Degussa Corporation	Cast Supply/ Dukes Distributors
326	Baracade Silane 100C	Euclid Canada Inc.	Con-Spec Industries Ltd./Brock White Construction Materials/Unicon Concrete Solutions
204	Baracade Silane 40 EX	Euclid Canada Inc.	Con-Spec Industries Ltd./Brock White Construction Materials/Unicon Concrete Solutions
210	SN 471	Soprema Inc.	Soprema Inc.
353.2	SN 474	Soprema Inc.	Soprema Inc.

Alberta Transportation Sealer Classification:

Type 1b - Penetrating sealers used for traffic bearing surfaces in outdoor conditions where the relative moisture content is less than or equal to 70%.

Notes:

The application rates listed are for relative comparison of products on laboratory concrete. Application rates must be adjusted to suit field conditions and the type of sealer product previously applied to the concrete.

All sealer products must meet the latest requirements of the "Specification for the Supply of Concrete Sealers" (B388).

* Waterbased - Concrete surfaces previously sealed with penetrating sealers should be sealed with a solvent base product to maximize penetration and performance.

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Type 1c

Appl. Rate (mL/m²)	Product Name	Manufacturer	Alberta Supplier
155	Master Protect H1000 <i>(Hydrozo 100)</i>	BASF	Brock White Canada Company/ Unicon Concrete Specialties Ltd./ National Concrete Accessories/ Cascade Aqua-Tech Ltd.
199	Sealmaster 100%	Technical Barrier Systems Inc.	Technical Barrier Systems Inc.
167	Dry-Trete 1000L	DRE Industries Inc.	Place-Crete Systems Ltd.
261	Protectosil BHN	Evonik Degussa Corporation	Cast Supply/ Dukes Distributors
242	SW-244-100VOC	Sherwin Williams	Sherwin Williams
246	SIL-ACT ATS 100	Advanced Chemical Technologies	Advanced Chemical Technologies
158	Sikagard SN-100	Sika Canada Inc.	Sika Canada Inc./ National Concrete Accessories/ Brock White Canada Company/ Conuvo Construction Materials
244	SIL-ACT ATS 100 LV	Advanced Chemical Technologies	Advanced Chemical Technologies
213	UltraGuard	Protocol Environmental Solutions	Protocol Environmental Solutions
186.6	Certi-Vex Penseal 244 100%	Vexcon Chemicals	Vexcon Chemicals/National Concrete Accessories
202.7	PENTREAT™ 244-100	W.R MEADOWS Inc.	W.R MEADOWS Inc.
154.9	Baracade Silane 100C	Euclid Canada Inc.	Con-Spec Industries Ltd./Brock White Construction Materials/Unicon Concrete Solutions
263.3	SN 471	Soprema Inc.	Soprema Inc.

Alberta Transportation Sealer Classification:

Type 1c - High performance, low V.O.C. penetrating sealers used for new bridges and overlays with low water/cement ratios (0.30 -0.45) where the relative moisture content is less than or equal to 80%.

Notes:

The application rates listed are for relative comparison of products on laboratory concrete. Application rates must be adjusted to suit field conditions and the type of sealer product previously applied to the concrete.

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Type 2a			
Appl. Rate (mL/m²)	Product Name	Manufacturer	Alberta Supplier
336	Sikagard A28 Lo-VOC	Sika Canada Inc.	Sika Canada Inc./ National Concrete Accessories/ Brock White Canada Company/ Conuvo Construction Materials
263	MasterKure CC 250XS <i>(Kure-N-Seal 25ES)</i>	BASF	Brock White Canada Company/ Unicon Concrete Specialties Ltd./ National Concrete Accessories/ Cascade Aqua-Tech Ltd.
147	SWD DOT Concrete Sealer 100 <i>(B97C12)</i>	Sherwin-Williams	Sherwin-Williams
185.2	TK-Achro Seal AS-1 VOC	TK Products Construction Coatings	Hard Rock Developments

Alberta Transportation Sealer Classification:

Type 2a - One component clear coating for vertical and non-traffic bearing concrete surfaces where the relative moisture content is less than or equal to 70%.

Caution

On previously sealed concrete surfaces, the sealer product to be applied should be checked for compatibility.

Smooth textured, vertical concrete surfaces may not retain the required coverage rates, and more than two applications may be needed. A reduction in the required coverage rate generally results in a reduction in the waterproofing performance as well as an increase in the breathability performance of the sealed surface.

Notes:

The application rates listed are for relative comparison of products on laboratory concrete. Application rates must be adjusted to suit field conditions and the type of sealer product previously applied to the concrete.

All sealer products must meet the latest requirements of the "Specification for the Supply of Concrete Sealers" (B388).

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Type 2b			
Appl. Rate (mL/m²)	Product Name	Manufacturer	Alberta Supplier

Alberta Transportation Sealer Classification:

Type 2b - Two component clear coating for vertical and non traffic bearing concrete surfaces where the relative moisture content is less than or equal to 70%.

Caution

On previously sealed concrete surfaces, the sealer product to be applied should be checked for compatibility.

Smooth textured, vertical concrete surfaces may not retain the required coverage rates, and more than two applications may be needed. A reduction in the required coverage rate generally results in a reduction in the waterproofing performance as well as an increase in the breathability performance of the sealed surface.

Notes:

The application rates listed are for relative comparison of products on laboratory concrete. Application rates must be adjusted to suit field conditions and the type of sealer product previously applied to the concrete.

All sealer products must meet the latest requirements of the "Specification for the Supply of Concrete Sealers" (B388).

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Type 3			
Min. DFT - mils (Min. WFT mils)	Product Name	Manufacturer	Alberta Supplier
6.5 (18)	Master Protect HB 300 SB <i>(Super Colorcoat)</i>	BASF	Brock White Canada Company/ Unicon Concrete Specialties Ltd./ National Concrete Accessories/ Cascade Aqua-Tech Ltd.
4.5 (9.0)	Sikagard Color A50 Lo-VOC **	Sika Canada Inc.	Sika Canada Inc./ National Concrete Accessories/ Brock White Canada Company/ Conuvo Construction Materials
5.1 (8.0 - 9.0)	CAT43 Type 3 Sealer	United Supreme Inc.	National Concrete Accessories/ Hannigan's Paint/ Cloverdale Paint

Alberta Transportation Sealer Classification:

Type 3 - Coloured coatings used for vertical non-traffic bearing concrete surface where aesthetics are a primary consideration and the relative moisture content is less than or equal to 70%.

Caution

Manufacturer's recommended surface preparation must be followed closely to ensure durability of the coating. At a minimum, the application requirements of Section 4 of the Standard Specifications for Bridge Construction shall be met.

Notes:

Sealers shall be applied in minimum two coats totalling the approved film thickness. Required film thicknesses are for relative comparison of products on laboratory concrete. Application rates must be adjusted to suit field conditions and application methods. Surfaces shall be immediately back rolled when spray applied.

All sealer products must meet the latest requirements of the "Specification for the Supply of Concrete Sealers" (B388).

All product colors shall be identified by the Federal Color Standard 595C palette in addition to any manufacturer conventions.

* Approval pending successful Field Trial Assessment

** If sprayed, product shall be applied in three coats of approximately 3 Mils WFT. No thinning of material is permitted.