

Approved Products for Sealers Used on Concrete Bridge Elements
Approved Products as of May 18, 2006
(This List supercedes all previous lists)

Type 1a Appl. Rate (mL/m ²)	Type 1b Appl. Rate (mL/m ²)	Type 1c Appl. Rate (mL/m ²)	Type 2a Appl. Rate (mL/m ²)	Type 2b Appl. Rate (mL/m ²)	Type 3 Appl. Rate (mL/m ²)	Product Name	Manufacturer	Alberta Supplier
X 225	X 230					Baracade Silane 40 IPA	Tamms Industries Inc.	Con-Spec Industries Ltd. Northland Construction Supplies Unicon Concrete Specialties Ltd.
	X 222					Bridge-Gard 80	Wacker Silicones Corporation/ Kryton International Inc.	Kryton International Inc. (BC supplier)
			X 200			Capseal A28	Cappar Ltd.	Sika Canada Inc. National Concrete Accessories Northland Construction Supplies
				X 272		Capseal E30	Cappar Ltd.	Sika Canada Inc. National Concrete Accessories Northland Construction Supplies
				X 264		CE Ram-Cote 54 SST	Freecom Inc.	Wear-Cor Solutions Inc.
X 203	X 216					Chem-Trete BSM 40H	Degussa Corporation	National Concrete Accessories Northland Construction Supplies
	X 233					D.C. Silane 40%	SEI Group	SEI Group
	X 230					Dry-Trete 40	DRE Industires Inc.	Place-Crete Systems Ltd.
		X 193				Dry-Trete 1000L	DRE Industries Inc.	Place-Crete Systems Ltd.
				X 275		Dural 333 DOT	Tamms Industries	Con-Spec Industries Ltd. Northland Construction Supplies Unicon Concrete Specialties Ltd.
		X 156				Dynasylan BH-0	Degussa Corporation	National Concrete Accessories Northland Construction Supplies
					X 352	W.R. Meadows Colored Concrete Sealer # 736	W.R. Meadows of Western Canada	W.R. Meadows of Western Canada Unicon Concrete Specialties Ltd. National Concrete Accessories Northland Construction Supplies
			X 357			W.R. Meadows Architectural Sealer # 715	W.R. Meadows of Western Canada	W.R. Meadows of Western Canada Unicon Concrete Specialties Ltd. National Concrete Accessories Northland Construction Supplies

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		X 272				Hydrozo 100	ChemRex Inc./Hydrozo	Steels Industrial Products Unicon Concrete Specialties Ltd. National Concrete Accessories Northland Construction Supplies
X 303						Hydrozo Enviroseal 20	ChemRex Inc./Hydrozo	Steels Industrial Products/ Unicon Concrete Specialties Ltd./ National Concrete Accessories
	X 313					Hydrozo Enviroseal 40	ChemRex Inc./Hydrozo	Steels Industrial Products/ Unicon Concrete Specialties Ltd./ National Concrete Accessories
X 238						Hydrozo Silane 20	ChemRex Inc./Hydrozo	Steels Industrial Products/ Unicon Concrete Specialties Ltd./ National Concrete Accessories
	X 241					Hydrozo Silane 40	ChemRex Inc./Hydrozo	Steels Industrial Products/ Unicon Concrete Specialties Ltd./ National Concrete Accessories
			X 300			Insulmastic 3101AT Clearcoat "AT"	Insulmastic	Northland Construction Supplies/ Unicon Concrete Specialties Ltd.
					X 250	Insulmastic 3131 Colourcrete	Insulmastic	Northland Construction Supplies/ Unicon Concrete Specialties Ltd.
	X 185					Masterseal SL 40 VOC	ChemRex Inc./MBT	Unicon Concrete Specialties Ltd.
X 204	X 207					Penetrating Sealer 40	ChemRex Inc./Sonneborn	Cascade Aqua-Tech Ltd. Aqua Supply Inc./ Unicon Concrete Specialties Ltd.
	X 185					Penetrating Seal 40 VOC	ChemRex Inc./Sonneborn	Cascade Aqua-Tech Ltd. Aqua Supply Inc./ Unicon Concrete Specialties Ltd.
X 294						Protekrete 25	DRE Industries	Place-Crete Systems Ltd.
X 252						Sealmaster 20%	Technical Barrier Systems Inc.	Technical Barrier Systems Inc.
	X 189					Sealmaster 40%	Technical Barrier Systems Inc.	Technical Barrier Systems Inc.
X 171	X 252					Sikagard SN-40	Cappar Ltd.	Sika Canada Inc./ National Concrete Accessories Northland Construction Supplies
		X 209				Sikagard SN-100	Cappar Ltd.	Sika Canada Inc./ National Concrete Accessories Northland Construction Supplies

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			X 336			Sikagard Clear/Seal 2	Sika Canada Inc.	Sika Canada Inc./ National Concrete Accessories/ Northland Construction Supplies
					X 240	Sikagard Color A50	Cappar Ltd.	Sika Canada Inc./ National Concrete Accessories Northland Construction Supplies
	X 185					Silane 40 VOC	ChemRex Inc./Hydrozo	Steels Industrial Products/ Unicon Concrete Specialties/ National Concrete Accessories
		X 221				Silane 100	ChemRex Inc./Hydrozo	Steels Industrial Products/ Unicon Concrete Specialties Ltd./ National Concrete Accessories
	357					Weather Worker S-40 (J-29)	Dayton Superior	Northland Construction Supplies/ Unicon Concrete Specialties

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.

- Type 1a** - Penetrating Sealers For Traffic Bearing Surfaces, Sheltered Conditions Where Deck is Relatively Dry, i.e. Relative Moisture Content \leq 55%.
- Type 1b** - Penetrating Sealers For Traffic Bearing Surfaces, Outdoor Exposure Where Deck Relative Moisture Content is \leq 70%, i.e. Minimum 3 Days of Continuous Drying Since Last Heavy Rain
Instructions for field use:
1. Allow 28 days continuous drying after burlap is removed from new concrete.
 2. For old concrete allow minimum 72 hours continuous drying after washing or a heavy rainfall has occurred.
 3. Flood coat the surface and repeat the process on high spots and areas that dry quickly.
 4. Depending upon drying conditions, drying time may have to be extended.
- Type 1c** - Low V.O.C. Penetrating Sealers For Low Water/Cement Ratio Traffic Bearing Surfaces, Outdoor Exposure Where Deck Relative Moisture Content is \leq 80%, i.e. Minimum 3 Days of Continuous Drying Since Last Heavy Rain
1. Allow 28 days continuous drying after burlap is removed from new concrete.
 2. For old concrete allow minimum 72 hours continuous drying after washing or a heavy rainfall has occurred.
 3. Flood coat the surface and repeat the process on high spots and areas that dry quickly.
 4. Depending upon drying conditions, drying time may have to be extended.
- Type 2a** - One Component Clear Coatings For Vertical and Non Traffic Bearing Concrete Surfaces, Concrete Relative Moisture Content \leq 70%
Caution
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. On previously sealed concrete surfaces, the sealer product to be applied, should be checked for compatibility.
- Type 2b** - Two Component Clear Coatings For Vertical and Non Traffic Bearing Concrete Surfaces, Concrete Relative Moisture Content \leq 70%
Caution
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. On previously sealed concrete surfaces, the sealer product to be applied, should be checked for compatibility.
- Type 3** - Light Grey Coloured Coating Used for Vertical and Non-Traffic Bearing Concrete Surfaces for Covering Graffiti for Good Aesthetics, and Areas Exposed to Public View, Concrete Relative Moisture Content \leq 70%

All sealer products must meet the latest requirements of the "Specification for the Supply of Concrete Sealers" (B388). For latest revision of sealer products, please call (780) 415-1029.