

APPROVED PRODUCTS LIST

Water Control & Structures

WATER CONTROL & STRUCTURES PRODUCTS

- 200 Advanced Composite Materials**
 - 201 Fibre Reinforced Polymer (FRP) Reinforcing**
 - 201-1 Glass FRP (GFRP)**
 - 201-2 Carbon FRP (CFRP)**
 - 202 Fibre Reinforced Polymer (FRP) Strengthening**
 - 202-1 GFRP Composite Strengthening System**
 - 202-2 CFRP Laminate Strips**
 - 202-3 CFRP Strengthening System**
- 210 Bearings and Expansion/Fixed Joints**
 - 211 Expansion Joints**
 - 211-1 Strip Seal**
- 220 Concrete and Associated Materials**
 - 221 Cement**
 - 221-1 Portland Cement**
 - 221-2 Supplementary Cementitious Materials**
 - 222 Adhesives and Epoxies**
 - 222-1 Acrylic Polymer Bonding Agent**
 - 222-2 Adhesives for Preformed Compression Seals**
 - 222-3 Epoxy Bonding Agent**
 - 223 Curing Compounds**
 - 223-1 Solvent Based**
 - 223-2 Water Based**
 - 223-3 Evaporation Reducer**

224 Patching Materials

224-1 Pre-Bagged Concrete Patching Materials

225 Reinforcement

225-1 Conventional Reinforcing Steel

225-2 GFRP Reinforcement

225-3 CFRP Reinforcement

225-4 MMFX Reinforcement

225-5 Galvanized Reinforcement

225-6 Barmats

225-7 Dowels

226 Joint Seal

226-1 Preformed Expansion Joint Filler

226-2 Preformed Contraction Joint Filler

226-3 Flexible Joint Sealant

226-4 Impregnated Expanding Joint Sealant

227 Formwork Liners

227-1 Architectural Formwork Liner

227-2 Permeable Formwork Liner

228 Structural Fibres

228-1 Macro Fibres

228-2 Micro Fibres

230 Corrosion Prevention/Protection

231 Sacrificial Galvanic Anodes

231-1 Embedded Galvanic Anodes

240 Insulation Material

241 Below Grade Insulation

241-1 Extruded Polystyrene

250 Membranes, Sealers and Sealants

251 Concrete Sealers and Coatings

- 251-1 Penetrating Sealers**
- 251-2 Clear Coating**
- 252-3 Pigment Coating**

252 Bridge Joint Sealants

- 252-1 Treated Fibre Board**

253 Waterproofing Membranes for Structures

- 253-1 Hot-Poured Rubberized Waterproofing Membrane**
- 253-2 Protection Board**
- 253-3 Reinforcement Sheet**
- 253-4 Damp Proofing Membrane**

260 Metals

261 Galvanizing

- 261-1 Field Applied Cold Galvanizing Compound**
- 261-2 Spray-On or Brush-On Galvanizing Coating**

262 Shims

- 262-1 Fabric Bearing Pads**

270 Piling

271 Steel

- 271-1 Steel Pile Tip**
- 271-2 Steel H-Piling**
- 271-3 Steel Pipe Piling**

280 Timber

281 Structural Timber

- 281-1 Timber Rail Post**

200 ADVANCED COMPOSITE MATERIALS

201 FIBRE REINFORCED POLYMER (FRP) REINFORCING

201-1 Glass FRP (GFRP)

Product Name/ Type	Manufacturers/Suppliers
Aslan 100	Hughes Brothers, Inc. Vector Corrosion Technologies Ltd.
Glass V-Rod	Pultrall Inc. Specialty Construction Products

201-2 Carbon FRP (CFRP)

Product Name/ Type	Manufacturers/Suppliers
Aslan 200	Hughes Brothers, Inc. Vector Corrosion Technologies Ltd.
Carbon V-Rod	Pultrall Inc. Specialty Construction Products

202 FIBRE REINFORCED POLYMER (FRP) STRENGTHENING

202-1 GFRP Composite Strengthening System

Product Name/ Type	Manufacturers/Suppliers
SikaWrap Hex 100G	Sika Canada Inc.
Wabo MBrace EG 900	BASF The Chemical Company Vector Corrosion Technologies Ltd.

202-2 CFRP Laminate Strips

Product Name/ Type	Manufacturers/Suppliers
CarboDur	Sika Canada Inc.
Aslan 400	Hughes Brothers, Inc. Vector Corrosion Technologies Ltd.
Wabo MBrace S&P Laminate	BASF The Chemical Company Vector Corrosion Technologies Ltd.

202-3 CFRP Strengthening System

Product Name/ Type	Manufacturers/Suppliers
Wabo MBrace CF 130/160/530	BASF The Chemical Company Vector Corrosion Technologies Ltd.

210 BEARINGS AND EXPANSION/FIXED JOINTS

211 EXPANSION JOINTS

211-1 Strip Seal

Product Name/ Type	Manufacturers/Suppliers
Steelflex Strip Seal System	The D.S. Brown Company Johnson Construction Materials
Wabo Strip Seal System	BASF, The Chemical Company Brock White Canada Inc.

220 CONCRETE AND ASSOCIATED MATERIALS

221 CEMENT

Specifications for CSA A3000 Cementitious Materials Compendium

221-1 Portland Cement

Product Name/ Type	Manufacturers/Suppliers
Normal Portland Cement, Type GU/GUb	Inland Cement Ltd. Lafarge Canada Inc. St. Lawrence Cement Glenko Enterprises Ltd. Hudson Cement
High-Early-Strength Portland Cement , Type HE	Inland Cement Ltd. Lafarge Canada Inc.
Sulphate Resistant Portland Cement, Type HS/HSb	Inland Cement Ltd. Lafarge Canada Inc.
Lafarge Type SF Blended Hydraulic Cement	Lafarge Canada Inc.

221-2 Supplementary Cementitious Materials

221-2.1 Fly Ash

Product Name/ Type	Manufacturers/Suppliers
Type 'C1' Fly Ash	Lafarge Canada SaskPower International Western Concrete Products Mid Western Redi-Mix Concrete

221-2.2 Silica Fume

Product Name/ Type	Manufacturers/Suppliers
Force 10,000 D	W.R. Grace & Co. of Canada
Lafarge Type 10E-SF Blended Hydraulic Cement	Lafarge Cement
Masterbuilders Technologies Rheomac SF 100, dry-compacted	BASF Construction Chemicals, LLC

222 ADHESIVES AND EPOXIES

222-1 Acrylic Polymer Bonding Agent

Product Name/ Type	Manufacturers/Suppliers

222-2 Adhesives for Preformed Compression Seals

Product Name/ Type	Manufacturers/Suppliers
DSBROWN #1516	Specialty Construction Products Ltd.
Neo-Lube (amber)	G.D. Johnson Ltd. Johnson Construction Material

222-3 Epoxy Bonding Agent

Product Name/ Type	Manufacturers/Suppliers
Cipadite	CPD Construction Products Specialty Construction Products Ltd.
Sika AnchorFix 3 ^{CA} and Sika AnchorFix 4 ^{CA}	Sika Canada Inc.

223 CURING COMPOUNDS

223-1 Solvent Based

Product Name/ Type	Manufacturers/Suppliers
Kurez DR VOX	The Euclid Chemical Company
Res X All Resin Cure V.O.C.	Edoco Burke Construction Chemicals

223-2 Water Based

Product Name/ Type	Manufacturers/Suppliers
Kurez VOX White Pigmented	The Euclid Chemical Company
Res X Cure WB	Edoco Burke Construction Chemicals
3001 W/B RESCURE- white only	Insulmastic Specialty Construction Products Ltd.

223-3 Evaporation Reducer

Product Name/ Type	Manufacturers/Suppliers
Confilm	BASF Construction Chemicals, LLC

224 PATCHING MATERIALS

224-1 Pre-Bagged Concrete Patching Materials

MITs preferred material for deck patching is ready-mix concrete (pre-approved mix design). This list should only be used in situations where ready-mix concrete is not available or economical.

HEH	LTH	NH	OV-H	Product	Manufacturers	See Notes
X				EMACO T415	BASF / MBT Protection & Repair	
X				EMACO T430	BASF / MBT Protection & Repair	1,4,5
X				Sika Rapid	Sika Canada Inc.	
X				10-60 Rapid Mortar	BASF / MBT Protection & Repair	
X				10-61 Rapid Mortar	BASF / MBT Protection & Repair	
X				Traffic Patch Coarse	Target Products Ltd.	1
X				Traffic Patch Fine	Target Products Ltd.	1
	X			Set 45	BASF / MBT Protection & Repair	1, 2 (-20C, dry substrate)
	X			Planitop	MAPEI	1.2 (-7C, dry substrate)
		X		Flowcrete	Target Products Ltd.	
		X		Quickcem Top 202	MAPEI	
		X		Sika Top 111 Plus	Sika Canada Inc.	
		X		Sika Top 122 Plus	Sika Canada Inc.	
		X		Express Repair	Euclid Chemical Company	
			X	EMACO S 66 C1	BASF / MBT Protection & Repair	
			X	EMACO S 77 C1	BASF / MBT Protection & Repair	
			X	EMACO S 88 C1	BASF / MBT Protection & Repair	
			X	Metro Mix	Amspec	
			X	Sika Top 123 Plus	Sika Canada Inc.	
			X	LA Repair Mortar	BASF / MBT Protection & Repair	
			X	LA 40 Repair Mortar	BASF / MBT Protection & Repair	
			X	Meadow-Patch 20	W.R. Meadows Inc.	3

Notes:

1. Do not use (NOT COMPATIBLE) with Galvashield XP anodes or Corr-Stops.
2. Never wet cure or apply curing compound.
3. Use for rehabilitation of precast concrete.

Pre-Bagged Concrete Patching Materials – Types of Patches

225 REINFORCEMENT

225-1 Conventional Reinforcing Steel

Product Name/ Type	Manufacturers/Suppliers
Black Deformed	Cowin Steel Co. Ltd. Mid Canada Reinforcing Inc.

225-2 GFRP Reinforcement

Product Name/ Type	Manufacturers/Suppliers
Aslan 100	Hughes Brother, Inc. Vector Corrosion Technologies Ltd.
Glass V-Rod	Pultrall Inc. Specialty Construction Products

225-3 CFRP Reinforcement

Product Name/ Type	Manufacturers/Suppliers
Aslan 200	Hughes Brothers, Inc. Vector Corrosion Technologies
Carbon V-Rod	Pultrall Inc. Specialty Construction Products

225-4 MMFX Reinforcement

Product Name/ Type	Manufacturers/Suppliers
MMFX 2	MMFX Steel Corporation of America Cowin Steel Co. Ltd. Mid Canada Reinforcing Inc.

225-5 Galvanized Reinforcement

Product Name/ Type	Manufacturers/Suppliers
Galvanized	Cowin Steel Co. Ltd. Mid Canada Reinforcing Inc.

225-6 Barmats

Product Name/ Type	Manufacturers/Suppliers
Bar Mats	Cowin Steel Co. Ltd.

*Tables of Insert Symmetrical Graphs
 M736*

M737
M739
M744

225-7 Dowels

Product Name/ Type	Manufacturers/Suppliers
Epoxy coated dowels and assembly	Dayton Superior Corp. Specialty Construction Products Ltd. Cowin Steel Co. Ltd.
Black	Cowin Steel Co. Ltd. Mid Canada Reinforcing Inc.
MMFX 2	MMFX Steel Corporation of America Cowin Steel Co. Ltd. Mid Canada Reinforcing Inc.
Galvanized	Cowin Steel Co. Ltd. Mid Canada Reinforcing Inc.

M748
M749

226 JOINT SEAL

226-1 Preformed Expansion Joint Filler

Product Name/ Type	Manufacturers/Suppliers
Flexcell	Celotex
CPD Asphalt Fibre Expansion Joint Filler	CPD Construction Products Specialty Construction Products
Sealtight Fibre Expansion Joint	W.R. Meadows Inc. Brock White

226-2 Preformed Contraction Joint Filler

Product Name/ Type	Manufacturers/Suppliers
STYROFOAM Cladmate	The DOW Chemical Company
Durapink	Owens Corning

226-3 Flexible Joint Sealant

Product Name/ Type	Manufacturers/Suppliers
Vulkem 116	Tremco Commercial Sealants & Waterproofing
Sonolastic NP 1	BASF Construction Chemicals, LLC
Sikaflex-1A	Sika Canada Inc.

226-4 Impregnated Expanding Joint Sealant

Product Name/ Type	Manufacturers/Suppliers
Emseal BEJS	Emseal Joint Systems Ltd.

227 FORMWORK LINERS

227-1 Architectural Formwork Liner

Product Name/ Type	Manufacturers/Suppliers

227-2 Permeable Formwork Liner

Product Name/ Type	Manufacturers/Suppliers
Drainoform	Brock White
Hyroform	Brock White
Zemdrain Classic	Specialty Construction Products

228 STRUCTURAL FIBRES

228-1 Macro Fibres

Product Name/ Type	Manufacturers/Suppliers
STRUX 90/40	W.R. Grace & Co. of Canada Ltd.
MasterFiber MAC100	BASF The Chemical Company

228-2 Micro Fibres

Product Name/ Type	Manufacturers/Suppliers
Grace MicroFibers	W.R. Grace & Co. of Canada Ltd.
MasterFiber M100	BASF The Chemical Company

230 CORROSION PREVENTION/PROTECTION

231 SACRIFICIAL GALVANIC ANODES

231-1 Embedded Galvanic Anodes

Product Name/ Type	Manufacturers/Suppliers
Corr-Stops CI	BASF Construction Chemicals, LLC Brock White
Galvashield CC, XP and XP+	Vector Corrosion Technologies Ltd.
Sika Galvashield CC, XP and XP+	Sika Canada Inc.
Galvanode DAS	Vector Corrosion Technologies Ltd.

240 INSULATION MATERIAL

241 STYROFOAM INSULATION

241-1 Extruded Polystyrene

Product Name/ Type	Manufacturers/Suppliers
Foamular 400, 600	Owens Corning Specialty Construction Products
Styrobar 16 and 22	AMC Foam Technologies Inc.
Styrofoam Highload 40, 60	The Dow Chemical Company

250 MEMBRANES, SEALERS AND SEALANTS

251 CONCRETE SEALERS & COATINGS

www.transportation.alberta.ca

251-1 Penetrating Sealers

Product Name/ Type	Manufacturers/Suppliers	Status
The penetrating sealer shall be on Alberta Transportation's Approved Products for Sealers Used on Concrete Bridge Elements, Type 1b, and be on the most current list at the time of tender. The application rate shall be 30% greater than the application rate as specified on Alberta Transportation's Approved Products list for the specific product used.		

251-2 Clear Coating

Product Name/ Type	Manufacturers/Suppliers	Status
The clear coating shall be on Alberta Transportation's Approved Products for Sealers Used on Concrete Bridge Elements, Type 2a, and be on the most current list at the time of tender.		

251-3 Pigment Coating

Product Name/ Type	Manufacturers/Suppliers	Status
The pigmented coating shall be on Alberta Transportation's Approved Products for Sealers Used on Concrete Bridge Elements, Type 3, and be on the most current list at the time of tender.		

252 BRIDGE JOINT SEALANTS

252-1 Treated Fibre Board

Product Name/ Type	Manufacturers/Suppliers
CPD Asphalt Fibre Expansion Joint Filler	CPD Construction Products Specialty Construction Products
Flexcell	Celotex
Sealtight Fibre Expansion Joint	W.R. Meadows Inc. Brock White
Sealtight "Snap-Cap" Expansion Joint Cap	W.R. Meadows Inc. Brock White

253 WATERPROOFING MEMBRANES FOR STRUCTURES

253-1 Hot- Poured Rubberized Waterproofing Membrane

Product Name/ Type	Manufacturers/Suppliers
Bakor 790-11	Henry Company Canada Brock White
Beamalastic 1213 BDM	Bemac Products Durwest
Monolithic Membrane 6125	Hydrotech Membrane Corporation

253-2 Protection Board

Product Name/ Type	Manufacturers/Suppliers
Bakor Asphalt Protection Board (for Waterproofing)	Henry Company Canada Brock White
Bakor 990-31 (for Damproofing)	Henry Company Canada Brock White
Sealtight Vibraflex Bridge Deck Protection Course	W.R. Meadows Inc. Brock White

253-3 Reinforcement Sheet

Product Name/ Type	Manufacturers/Suppliers
Hydrotech Fabric Reinforcement Sheet	Hydrotech Membrane Corporation
Bakor Polyester Fabric Reinforcement Sheet	Henry Company Canada Brock White

253-4 Damp Proofing Membrane

Product Name/ Type	Manufacturers/Suppliers
Bakor 710-11 with Primer 910-01	Henry Company Canada Brock White
Bakor 700-01	Henry Company Canada Brock White

260 METALS

261 GALVANIZING

261-1 Field Applied Cold Galvanizing Compound

Product Name/ Type	Manufacturers/Suppliers
Galvalloy (bar)	Stewart Wales Somerville Ltd. Acklands Grainger

261-2 Spray-On or Brush-On Galvanizing Coating

Product Name/ Type	Manufacturers/Suppliers
Rust-oleum Cold Galvanizing Aerosol	Rust-oleum Acklands Grainger
Zinga	Zingametall Pacific Evergreen Industries Ltd.
Galvacon Cold Galvanizing Compound GC-243	Lanco Acklands Grainger

262 SHIMS

262-1 Fabric Bearing Pads

Product Name/ Type	Manufacturers/Suppliers
Fabreeka SA-47 Bearing Pads	Fabreeka Anderson/CP Rubber

270 PILING

271 STEEL

271-1 Steel Pile Tip

Product Name/ Type	Manufacturers/Suppliers
Pruyn HP-77750	Pruyn Pipe & Piling Supplies Ltd. Associated Pile & Fitting, LLC
HPP-S-12	Titus Steel Co. Ltd

271-2 Steel H-Piling

Product Name/ Type	Manufacturers/Suppliers
Steel H-Piles	Pipe & Piling Supplies Ltd. Skyline Steel, LLC

271-3 Steel Pipe Piling

Product Name/ Type	Manufacturers/Suppliers
Steel Pipe Pile	Comco Pipe & Supply Co. Pipe & Piling Supplies Ltd.

280 TIMBER

281 STRUCTURAL TIMBER

281-1 Timber Rail Post

Product Name/ Type	Manufacturers/Suppliers
Timber Rail Post	Goodfellow Inc. Lindell Dmyterko Ltd. Lumber One Building Supplies Shy's Forest Products Ltd. Sound End Lumber Co. Ltd. Star Building Materials Stella-Jones Inc. Welco Industries Westex Timber