



**Public Works
Travaux publics**

APPROVED PRODUCTS FOR SURFACE WORKS

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1. Bonding Agents/Dowel Adhesive

1.1 General

Bonding agents approved for use shall be in accordance with Clause 5.8 of Specification CW 3230.

1.2 Referenced Standard Construction Specifications

CW 3230 – Full-Depth Patching of Existing Slabs and Joints

CW 3240 – Renewal of Existing Curbs

CW 3310 – Portland Cement Concrete Pavement Works

1.3 Referenced Standard Details

SD-213B – Full-Depth Patches Details of Moving and Tied Joints.

1.4 Approved Products

Product Name	Manufacturer / Supplier (s)	Contact information	
		Phone	Email
<u>Dowel Adhesive</u>			
Dural 452 MV	Specialty Construction Products Ltd. Euclid Canada Inc.	+1 (204) 661-6738 +1 (416) 747 7107	jsolomon@speconst.mb.ca b.salazar@eucludcanada.com
Dural Fast Set Gel	Specialty Construction Products Ltd.	+1 (204) 661-6738	jsolomon@speconst.mb.ca
Sikadur 31 Hi-Mod	Sika Canada Inc.	+1 (204) 782-2601	harden.kyle@ca.sika.com
Sika Anchorfix 3001	Sika Canada Inc.	+1 (204) 782-2601	harden.kyle@ca.sika.com
Hilti HIT-RE 10	Hilti Canada	+1 (972) 404 3722	michael.hoffmann@hilti.com
Hilti HIT-RE 100	Hilti Canada	+1 (972) 404 3722	michael.hoffmann@hilti.com
<u>Bonding Agents</u>			
Sika Latex R*	Sika Canada Inc.	+1 (204) 782-2601	harden.kyle@ca.sika.com
SBR Latex**	Euclid Canada Inc.	+1 (416) 747 7107	b.salazar@eucludcanada.com
Sikatop Armatec 110 EpoCem	Sika Canada Inc.	+1 (204) 782 2601	harden.kyle@ca.sika.com

*An admixture to produce latex improved bonding agents for bonding new section of concrete to old.

**SBR Latex shall not be used as a primer bonding agent by itself. It shall be used as a cement bond coat as per the manufacturer datasheet.

2. Hot-Poured Joint Sealer

2.1 General

Hot-Poured Sealers approved for use shall be in accordance with Clause 5.4.1 of Specification CW 3310.

2.2 Referenced Standard Construction Specifications

CW 3250 – Joint and Crack Maintenance

CW 3310 – Portland Cement Concrete Pavement Works

CW 3620 – Installation of Underground Traffic Signal Services

2.3 Referenced Standard Details

SD-212 – Sawn Joint, Keyed Joint and Butt Joint for Reinforced and Plain-Dowelled Pavements

ST-62 – Saw Cut Specifications for Traffic Signals Vehicle Detector Loops in Concrete

ST-144 – Deep Saw Cut Specifications for Traffic Signals Vehicle Detector Loops in Asphalt or Asphalt Overlay

2.4 Approved Products

Product Name	Manufacturer / Supplier (s)	Contact information	
		Phone	Email
Crafco 522 (Roadsaver 522)	Road Products Manitoba Inc./ Crafco Inc.	+1 (204) 338 9449	rpm.sales@mymts.net
Crafco RS244 (Asphalt Rubber Plus Type 2)	Road Products Manitoba Inc./ Crafco Inc.	+1 (204) 338 9449	rpm.sales@mymts.net
MACSEAL 6690-4	McAsphalt Industries Limited	+1 (416) 804 4822	jallison@mcasphalt.com

3. Curing Compounds

3.1 General

Curing compounds approved for use shall be in accordance with Clause 5.4.6 of Specification CW 3310.

3.2 Referenced Standard Construction Specifications

CW 3310 – Portland Cement Concrete Pavement Works

CW 3325 – Portland Cement Concrete Sidewalk

CW 3230 – Full-Depth Patching of Existing Slabs and Joints

CW 3240 – Renewal of Existing Curbs

3.3 Approved Products

Product Name	Manufacturer / Supplier (s)	Contact information	
		Phone	Email
Kurez VOX White Pigmented	Euclid Canada Inc.	+1 (416) 747 7107	b.salazar@euclidcanada.com
Safe-Cure 1000	ChemMasters	+1 (440) 428 2105	johnkirk@chemmasters.teamoutpost.com
1215-White	Brock White Canada	+1 (204) 771 1589	slake@brockwhite.com

4. Separation/Filtration Geotextile Fabric

4.1 General

Separation/Filtration Geotextile Fabric shall be non-woven in accordance with Section 2.5 of Specification CW 3130.

4.2 Referenced Standard Construction Specifications

CW 3120 – Installation of Sub Drains

CW 3130 – Supply and Installation of Geotextile Fabrics

CW 3135 – Supply and Installation of Geogrid

4.3 Referenced Standard Details

SD-245 – Sub Drain Installation Detail

4.4 Approved Products

Product Name	Manufacturer / Supplier (s)	Contact information	
		Phone	Email
Mirafi 180N	TenCate Geosynthetics Americas	+1 (905) 467 1828	a.lister@tencategeo.com
Nilex Nonwoven 4553	Nilex Civil Environmental Group	+1 (306) 491 4907	m.ali@nilex.com
Texel 080C	Texel Technical Materials Inc.	+1 (604) 349 2208	Gswain@lydall.com

5. Separation Geotextile Fabric

5.1 General

Separation Geotextile Fabric shall be woven fabric in accordance with Section 2.5 of Specification CW 3130.

5.2 Referenced Standard Construction Specifications

CW 3130 – Supply and Installation of Geotextile Fabrics

CW 2165 – Stormwater Retention Basin Revetment and Soil Sterilization

5.3 Referenced Standard Details

SD-026 – Stormwater Retention Basin Shoreline Revetment

5.4 Approved Products

Product Name	Manufacturer / Supplier (s)	Contact information	
		Phone	Email
MacTex MXW13S	Maccaferri Canada Ltd.	+1(519) 623 9990	s.tersigni@maccaferri.com
Mirafi 600X	TenCate Geosynthetics Americas	+1 (905) 467 1828	a.lister@tencategeo.com
Nilex Woven 2006	Nilex Civil Environmental Group	+1 (306) 491 4907	m.ali@nilex.com
Texel SX-130T	Texel Technical Materials Inc.	+1 (604) 349 2208	gswain@lydall.com
TE-W315	Titan Environmental Containment Ltd.	+1(204) 878 3955	garry.mcfarlane@titanenviro.ca

6. Geogrid

6.1 General

Geogrid shall be in accordance with CW 3135.

6.2 Referenced Standard Construction Specifications

CW 3310 – Sub-grade, Sub-base and Base Course Construction

CW 3130 – Supply and Installation of Geotextile Fabrics

CW 3135 – Supply and Installation of Geogrid

6.3 Approved Products

Product Name	Manufacturer / Supplier (s)	Contact information	
		Phone	Email
<u>Class A Geogrid</u>			
Mirafi BXG300	TenCate Geosynthetics Americas	+1 (905) 467 1828	a.lister@tencategeo.com
MacGrid EG30S	Maccaferri Canada Ltd.	+1(519) 623 9990	s.tersigni@maccaferri.com
BOSTD SX3030	Bostd America Brock White Canada	+1 (218) 838 7552 +1 (204) 771 1589	jay@paceconsultinggrp.com slake@brockwhite.com
Tensar BX SQ3030	Nilex Civil Environmental Group	+1 (306) 491 4907	m.ali@nilex.com
Nilex Type 3	Nilex Civil Environmental Group	+1 (306) 491 4907	m.ali@nilex.com
Titan Earth Grid™ 30	Titan Environmental Containment Ltd.	+1(204) 451 0697	garry.mcfarlane@titanenviro.ca
Titan Rail Grid™ 30	Titan Environmental Containment Ltd.	+1(204) 451 0697	garry.mcfarlane@titanenviro.ca
Amerigrd BX Geogrid 3030	Brock White Canada Tensar International	+1 (204) 771 1589 +1 (704) 607 8642	slake@brockwhite.com kgregory@tensarcorp.com

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Class B Geogrid			
MacGrid EG25S	Maccaferri Canada Ltd.	+1(519) 623 9990	s.tersigni@maccaferri.com
Mirafi BXG120	TenCate Geosynthetics Americas	+1 (905) 467 1828	a.lister@tencategeo.com
BOSTD RX1200	Bostd America Brock White Canada	+1 (218) 838 7552 +1 (204) 771 1589	jay@paceconsultinggrp.com slake@brockwhite.com
Tensar BX TYPE 2F	Nilex Civil Environmental Group	+1 (306) 491 4907	m.ali@nilex.com
Tensar BX1200	Nilex Civil Environmental Group	+1 (306) 491 4907	m.ali@nilex.com
Titan Earth Grid™ 2	Titan Environmental Containment Ltd.	+1(204) 451 0697	garry.mcfarlane@titanenviro.ca
Titan Earth Grid™ 24	Titan Environmental Containment Ltd.	+1(204) 451 0697	garry.mcfarlane@titanenviro.ca
AmeriGrid BX	Brock White Canada	+1 (204) 771 1589	slake@brockwhite.com
Geogrid 12	Tensar International	+1 (704) 607 8642	kgregory@tensarcorp.com

7. Stabilization Geotextile Fabric and Composite Geogrid

7.1 General

Stabilization geotextile fabric or composite geogrid shall be in accordance with CW 3135.

7.2 Referenced Standard Construction Specifications

CW 3310 – Sub-grade, Sub-base and Base Course Construction

CW 3130 – Supply and Installation of Geotextile Fabrics

CW 3135 – Supply and Installation of Geogrid

7.3 Approved Products

Product Name	Manufacturer / Supplier (s)	Contact information	
		Phone	Email
<u>Stabilization geotextile</u>			
Mirafi® HP570	TenCate Geosynthetics Americas	+1 (905) 467 1828	a.lister@tencategeo.com
<u>Composite Geogrid</u>			
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8. Pavement Repair Fabric / Fiberglass Geogrid

8.1 General

Fabric / Fiberglass Geogrid approved for use as asphalt interlayer for pavement reinforcement system.

8.2 Referenced Standard Construction Specifications

CW 3130 – Supply and Installation of Geotextile Fabrics

CW 3135 – Supply and Installation of Geogrid

CW 3410 – Asphaltic Concrete Pavement Works

8.3 Approved Products

Product Name	Manufacturer / Supplier (s)	Contact information	
		Phone	Email
<u>Type A</u>			
GlasGrid 8501	Nilex Civil Environmental Group	+1 (306) 491 4907	m.ali@nilex.com
GlasGrid 8511	Nilex Civil Environmental Group	+1 (306) 491 4907	m.ali@nilex.com
Spartan Road Grid™ 10	Titan Environmental Containment Ltd.	+1(204) 451 0697	garry.mcfarlane@titanenviro.ca
<u>Type B</u>			
GlasGrid 8502	Nilex Civil Environmental Group	+1 (306) 491 4907	m.ali@nilex.com
GlasGrid 8512	Nilex Civil Environmental Group	+1 (306) 491 4907	m.ali@nilex.com
Spartan Road Grid™ 20	Titan Environmental Containment Ltd.	+1(204) 451 0697	garry.mcfarlane@titanenviro.ca

9. Drainage Pipe

9.1 General

Drainage Pipe approved for use in sub-drains shall be in accordance with Section 2.7 of Specification 3120.

9.2 Referenced Standard Construction Specifications

CW 3120 – Installation of Sub Drains

9.3 Referenced Standard Details

SD-245 – Sub Drain Installation Detail

9.4 Approved Products

High Density Polyethylene (HDPE) Drainage Pipe – Perforated

Product Name	Manufacturer / Supplier (s)	Contact information	
		Phone	Email
Boss 2000 HDPE Pipe - 320 kPa	Armtec Inc	+1 (204) 222-7354	Manitoba@armtec.com
ADS - N12 ST IB Pipe - 320 kPa	ADS Canada Inc.	+1(204) 218-2901	Mervat.Sefin@ads-pipe.com
ADS - N12 WT IB Pipe - 320 kPa	ADS Canada Inc.	+1(204) 218-2901	Mervat.Sefin@ads-pipe.com

10. Culvert Pipe

10.1 General

Culvert Pipe approved for use shall be in accordance with Section 2 of Specification CW 3610.

10.2 Referenced Standard Construction Specifications

CW 3610 – Installation of Culverts

10.3 Referenced Standard Details

SD – 234 Private Approach on Regional Streets (with Ditch Drainage)

SD – 239 Residential Approach – Gravel, Concrete, or Asphalt

10.4 Approved Products

10.4.1 Corrugated Steel Pipe (CSP)

Product Name	Manufacturer / Supplier (s)	Contact information	
		Phone	Email
Corrugated Steel Pipe (CSP) Culvert	Atlantic Industries Limited.	+1(431) 588-9811	tritter@ail.ca

10.4.2 Precast Concrete Pipe (PCP)

There is no list of approved products for Precast Concrete Pipe.

10.4.3 High Density Polyethylene Pipe (HDPE)

Product Name	Manufacturer / Supplier (s)	Contact information	
		Phone	Email
Boss 2000 HDPE Pipe - 320 kPa	Armtec Inc	+1 (204) 222-7354	Manitoba@armtec.com
ADS - N12 Plain End 450-900 Dia. - 320 kPa	ADS Canada Inc.	+1(204) 218-2901	Mervat.Sefin@ads-pipe.com
ADS - N12 ST IB Pipe 450-900 Dia. - 320 kPa	ADS Canada Inc.	+1(204) 218-2901	Mervat.Sefin@ads-pipe.com
ADS - N12 WT IB Pipe 450-900 Dia. - 320 kPa	ADS Canada Inc.	+1(204) 218-2901	Mervat.Sefin@ads-pipe.com

11. Detectable Warning Surface Tile

11.1 General

Detectable Warning Surface Tile approved for use shall be in accordance with Section 2 of Specification 3326.

11.2 Referenced Standard Construction Specifications

CW 3326 – Detectable Warning Tiles

11.3 Referenced Standard Details

SD-229AA – Detectable Surface Tile for Intersections – Layout Option 1

SD-229AB – Detectable Surface Tile for Intersections – Layout Option 2

SD-229AF – Detectable Warning Surface Tile for Offset Intersections

SD-229BB – Detectable Warning Surface Tile in Curb Ramps for Medians

SD-229E – Curb Ramp and Depressed Curb with Detectable Warning Surface Tile

11.4 Approved Products

Product Name	Manufacturer / Supplier (s)	Contact information	
		Phone	Email
ADA Solutions Cast in Place 24"x48" 2448IDPAV1	Brock White Canada	+1 (204) 771-1589	slake@brockwhite.com
Armor-Tile® Cast in Place (24"x48" ADA-C-2448)	Engineered Plastics Inc	+1 (425) 766 6234	bradg@engplastics.com
Armor-Tile Wayfinding Tile (6"x48")*	Engineered Plastics Inc	+1 (425) 766 6234	bradg@engplastics.com
Access-Tile® Cast in Place	Access Products Inc.	+1 (425) 766 6234	bradg@engplastics.com
Access -Tile Wayfinding Tile*	Access Products Inc.	+1 (425) 766 6234	bradg@engplastics.com
AlertCast – Detectable Warning Panel	Detectable Warning Systems	+1 (866) 999 7452	jsouthall@detectable-warning.com
	Cityscape	+1 (416) 688 3445	claudia@cityscapesupply.com

* Wayfinding Tile will only be used to facilitate wayfinding by indicating the primary routes of travel.

12. Repair Materials

12.1 General

Repair materials approved for partial-depth or pothole repairs or patching wide cracks and joints.

12.2 Referenced Standard Construction Specifications

CW 3250 – Joint and Crack Maintenance

CW 3310 – Portland Cement Concrete Pavement Works

CW 3230 – Full-Depth Patching of Existing Pavement Slabs and Joints

12.3 Approved Products

Product Name	Manufacturer / Supplier (s)	Contact information	
		Phone	Email
Hot-Poured Repair Products			
Mastic One™ ¹	Road Products Manitoba Inc./ Crafcoc Inc.	+1 (204) 338 9449	rpm.sales@mymts.net
Asphalt Repair Products			
Western Pothole Repair ^{2,13}	Brock White Canada	+1 (204) 771 1589	slake@brockwhite.com
Instarmac Permanent Pothole Repair ^{3,13}	Da-Lee Pavement Products	+1 (905) 975 0556	matt@daleegroup.com
Permanent Road Repair Cold Lay Asphalt Concrete ^{4,13}	Da-Lee Pavement Products	+1 (905) 975 0556	matt@daleegroup.com
SCJ Seal & Tack Coat Spray ^{5,13}	Da-Lee Pavement Products	+1 (905) 975 0556	matt@daleegroup.com
Concrete Partial-Depth Repair Products			
Planitop 18 ⁶	Brock White Canada	+1 (204) 771 1589	slake@brockwhite.com
Planitop 18ES ⁷	Brock White Canada	+1 (204) 771 1589	slake@brockwhite.com
Sika King RS-S2 ⁸	Sika Canada Inc.	+1 (204) 782 2601	harden.kyle@ca.sika.com
Sika King RS-S10 ⁹	Sika Canada Inc.	+1 (204) 782 2601	harden.kyle@ca.sika.com
Sika King RS-S10SCC ¹⁰	Sika Canada Inc.	+1 (204) 782 2601	harden.kyle@ca.sika.com
Sika Top® 122 PLUS ¹¹	Sika Canada Inc.	+1 (204) 782 2601	harden.kyle@ca.sika.com
EucoRepair SCC Fast ^{12,13}	Euclid Canada Inc.	+1 (416) 747 7107	b.salazar@euclidcanada.com
VersaSpeed 100 ^{6,13}	Euclid Canada Inc.	+1 (416) 747 7107	b.salazar@euclidcanada.com
VersaSpeed LS100 ^{7,13}	Euclid Canada Inc.	+1 (416) 747 7107	b.salazar@euclidcanada.com

¹Mastic One™ will be used for filling wide cracks and joints more than 37.5 mm wide.

²Western Pothole Repair is cold bituminous patching mix and generally can be used when temperatures are in the range of 35°C to -15°C and traffic must be quickly reinstated. Suitable for thickness between 40 to 70 mm.

³Instarmac Permanent Pothole Repair is a cold bituminous patching mix and generally can be used in all weather conditions when traffic must be quickly reinstated. Suitable for repair of potholes and small utility cuts on driveways when finer grade is required with thickness between 10 to 50 mm.

⁴Permanent Road Repair Cold Lay Asphalt Concrete is a cold bituminous patching mix and generally can be used in all weather conditions when traffic must be quickly reinstated. Suitable for repair of utility cuts in roadways and permanent repairs around manholes or catch basins.

⁵SCJ Seal & Tack Coat Spray is cold joint sealer that is applied onto vertical edges and surface base before the application of cold asphalt.

⁶Planitop 18 or VersaSpeed 100 are high early strength patching and generally can be used during the summer when temperatures are in the range of 8°C to 30°C and traffic must be quickly reinstated.

⁷Planitop 18ES or VersaSpeed LS100 are moderate early strength patching and generally can be used during the summer when temperatures are in the range of 8°C to 35°C and traffic must be reinstated within one day.

⁸Sika King RS-S2 is high early strength patching and generally can be used during the summer when temperatures are in the range of 5°C to 30°C and traffic must be quickly reinstated.

⁹Sika King RS-S10 is high early strength patching and generally can be used during spring and late fall when temperatures are in the range of 0°C to 10°C and traffic must be quickly reinstated. Place RS-S10 at a minimum thickness of 38 mm.

¹⁰Sika King RS-S10SCC is high early strength patching and generally can be used during spring and late fall when temperatures are in the range of 0°C to 10°C and traffic must be quickly reinstated. Place RS-S10 at a minimum thickness of 50 mm.

¹¹SikaTop 122 PLUS is normal strength patching and generally can be used during the summer when temperatures are above 10°C and traffic must be reinstated within three days.

¹²EUCOREPAIR SCC FAST is high early strength self-consolidating repair mortar that is shrinkage-compensated, pozzolan and microfiber modified, and contains an integral corrosion inhibitor.

¹³Products Conditionally Approved.