

**State of Alaska
Department of Transportation & Public Facilities**



2003

**APPROVED
PRODUCTS LIST**

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Department of Transportation & Public Facilities

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INTRODUCTION

The Approved Products List (APL) is a list of products that have been tested and/or evaluated for conformance to State of Alaska, Department of Transportation & Public Facilities (DOT&PF) Standard Specifications.

The APL is administered by the Statewide Materials Section located in Anchorage and is published annually. Copies are available for purchase for \$25.00 at DOT&PF Northern, Central, and Southeast Region Plan Rooms. The APL is also available at the following website:

<http://www.dot.state.ak.us/stwddes/materialsnew/index.html>

Questions concerning the APL may be addressed to the Quality Control Manager, Statewide Materials Laboratory, 5750 E. Tudor Rd., Anchorage, AK 99507, Phone (907) 269-6200, Fax (907) 269-6201.

Products that are not on the APL may be accepted for use on individual DOT&PF projects by providing test results and certification to each project that the product meets specifications. Products that are listed on the APL do not require submittal of test results and certification. DOT&PF reserves the option of inspecting and/or testing any product at any time to verify conformance to the specifications.

The “Buy America” requirement for all steel and iron materials applies. FHWA 23 CFR 635.410 requires that all manufacturing processes, including application of a coating, for steel and iron materials occur in the United States. Coating includes all processes which protect or enhance the value of the material to which the coating is applied.

PRODUCT CATEGORIES

The APL contains three basic product categories.

1. Products that are tested.
2. Products that are evaluated.
3. Products that are certified annually.

1. Product Testing.

Products are routinely solicited for testing in January, February and March of each year for inclusion into the APL. Successful test results allow products to remain on the APL for four years before re-testing is required.

If a product fails testing, the Statewide Quality Assurance Engineer will notify the supplier of the failing test results in writing. Two additional samples of the same product may be submitted within 10 working days, if desired. Both samples must pass to be placed on the APL. If the supplier does not respond with new samples within 10 working days, or either of the second submitted samples fail testing, the product will be listed on the APL as failing. The Statewide Quality Assurance Engineer will also notify the supplier and the Regional Quality Assurance/Materials Engineers in writing of the failing product.

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Samples submitted for APL testing must include a Materials Safety Data Sheet (MSDS), if appropriate. Submit samples to the Quality Control Manager, Statewide Materials Laboratory, 5750 E. Tudor Rd., Anchorage, AK 99507.

The following products are currently tested for inclusion on the APL:

<u>Product</u>	<u>Minimum Sample</u>	<u>Specification</u>
Concrete Grout	25 Pounds	Cement based, non-shrink, non-metallic, non-corrosive conforming to ASTM C1107, Type C. 28-day compressive strength of 9,000 psi and meet ATM 520.
Expanded Polyethylene Material	2 Pieces, 2'x 2' each	Closed cell with a density of 2.2 pcf (± 0.2) and maximum water absorption of 10% by Weight. Maximum compressive deflection of 50% at 15 psi (± 3) and compression set of less than 15% of plank thickness after maintaining 50% compression deflection for 22 hrs. with a 24 hour recovery period.
Insulation Board	2 Pieces, 2'x 2' each	Conform to AASHTO M 230, Type VI except extrusion is not required. Maximum water absorption of 10% by Weight.

2. Product Evaluation.

Waterproofing Membrane and Expansion Joint Materials for concrete bridge decks are the only products currently accepted by evaluation. The acceptance process is a joint review by Statewide Materials and Bridge Design. The review includes the manufacturer's product literature, product samples, and supplier or manufacturer's list of other State DOTs that have used or evaluated the membrane. Referenced State DOTs will be contacted regarding experiences, use, limiting conditions, problems, and results.

If a submitted product does not pass the review process, the Statewide Quality Assurance Engineer will notify the supplier in writing. If a submitted product passes the review process, it will be subject to testing. The Statewide Quality Assurance Engineer will notify the supplier of acceptable test results which allow the product to be utilized on a project on a trial basis. Satisfactory performance in the field on a project makes the product acceptable for placement on the APL.

In the event a product fails testing, or fails and/or performs poorly in the field, the Statewide Quality Assurance Engineer will notify the supplier and the Regional Quality Assurance/Materials Engineers in writing listing the suspected failure mode(s), including field reports and/or test results. The product will not be included on the APL.

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3. Product Annual Certification.

A product meeting specifications and used successfully on five projects within a period of four consecutive years is automatically eligible for placement on the APL. An annual certification by the Manufacturer that the product meets the appropriate specifications is required for placement on the APL.

The annual manufacturer certification statement shall include:

- All plant locations.
- The following certification statement:

“For (applicable year) all (description of items) supplied to State Of Alaska DOT&PF projects shall meet (list appropriate AASHTO, ASTM, etc. specification) as required by DOT&PF Standard Specifications, Standard Modifications, Special Provisions, Plans, or Standard Drawings.”
- Signature and title of Manufacturer’s representative.

DOT&PF reserves the option of inspecting and/or testing products at any time to verify conformance to the specifications.

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Products Tested						
General Description	Product Brand Name	Mix Consistency	Status	Manufacturer	Laboratory Number	Remarks
Concrete Grout:	CRYSTEX Structural Grout	Plastic Fluid	Pass Pass	L&M Construction Chemicals Inc. 14851 Calhoun Rd. Omaha, NE 68152	01A-0549	Not Recommended for dry pack applications or temperatures below 45° F.
	FIVE STAR FLUID GROUT 100		Pass	Five Star Products, Inc. 425 Stillson Rd. Fairfield, CT 06430	01A-2001	Placement temperature between 40-90° F.
	CG200 PC Cementitious Grout	Plastic Fluid	Pass Fail	HILTI Inc. 5400 S. 122 nd E. Ave. Tulsa, OK 74146	01A-0878	
	PREMIER Structural Grout	Dry Pack Fluid	Fail Pass	L&M Construction Chemicals Inc. 14851 Calhoun Rd. Omaha, NE 68152	01A-0550	Maintain between 45°F-95°F.
	SURE-GRIP Grout	Plastic Flowable Pourable	Fail Pass Pass	Dayton Superior Corp. 402 S. First ST. Oregon, IL 61061	01A-0552	
	FIVE STAR STRUCTURAL CONCRETE		Pass	Five Star Products, Inc. 425 Stillson Rd. Fairfield, CT 06430	00A-0549	Place Between 35°F-90°F.
	DURAPATCH HIWAY Grout		Pass	L&M Construction Chemicals Inc. 14851 Calhoun Rd. Omaha, NE 68152	00A-0551	

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Products Tested						
General Description	Product Brand Name	Mix Consistency	Status	Manufacturer	Laboratory Number	Remarks
Concrete Grout (cont'd):	TRAFFIC PATCH		Pass	Target Products LTD 7550 Conrad St. Burnaby, BC V5A2H7 Canada	00A-0554	
Expanded Polyethylene Material:	Ethafoam #220		Pass	Dow Chemical Co. 2020 Dow Center Midland, MI 48874	01A-0556	
Insulation Board:	Insulation Board		Pass	Nunavik LLC P.O.Box 528 Kotzebue, AK 99752	002A-0061	
	60 PSI Insulfoam		Pass	Premier Industries, Inc. 628 Western Drive Anchorage, AK 99501	01A-0553	
	40 PSI Insulfoam		Pass	Premier Industries, Inc. 628 Western Drive Anchorage, AK 99501	01A-0554	
	ROOFMATE Insulfoam		Pass	Dow Chemical Co. 2020 Dow Center Midland, MI 48874	01A-0555	

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General Description	Product Brand Name	Manufacturer	Certification/ Evaluation
Aircraft Tie-downs	DuckBill Ground Anchor	DuckBill Ground Anchor Systems 21 Phoenix Place Industrial Estate Lewes East Sussex, Great Britain BN7 2QJ Tel: 01273 479764 Fax: 01273 479765	Certification
Bridge Elastomeric Bearing Pad Epoxy	Sikadur 32 Hi-Mod	Sika Corporation 201 Polito Avenue Lyndhurst, NJ 07071 Tel: (800) 933-7452 Fax: (201) 507-7107	Certification
Bridge Elastomeric Bearing Pad		Scougal Rubber 6239 Corson Avenue S Seattle, WA 98108 Tel: (206) 763-2650 Fax: (206) 764-4984	Certification
		Seismic Energy Products 518 Progress Way Athens, TX 75771 Tel: (903) 675-8571 Fax: (903) 677-3993	Certification
Bridge Deck Expansion Joint Strip Seals	Wabo Strip Seal	Watson Bowman Acme 95 Pineview Drive Amherst, NY 14228 Tel: (716) 691-7568 Fax: (716) 891-9239	Evaluation
Bridge Deck Expansion Joint Compression Seals	Wabo Compression Seal	Watson Bowman Acme 95 Pineview Drive Amherst, NY 14228 Tel: (716) 691-7568 Fax: (716) 891-9239	Evaluation

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General Description	Product Brand Name	Manufacturer	Certification/ Evaluation
Bridge Deck Expansion Joint Elastomeric Concrete	Delcrete Elastomeric Concrete	D.S Brown Company 300 East Cherry Street North Baltimore, OH Tel: (419) 257-3561 Fax: (419) 257-2200	Evaluation
	Silspec 900 Polymer Nosing System *Use only where Elastomeric Concrete is in contact with Dow/Corning/SSI "X.J.S Expansion Joint System" (Expansion Joint Seal).	Dow Corning/SSI 430 South Rockford Tulsa, OK 74150 Tel: (800) 888-8909 Fax: (918) 582-7510	Evaluation
Bridge Deck Expansion Joint Pourable Seals	902 RCS Joint Sealant	Dow Corning/SSI 430 South Rockford Tulsa, OK 74150 Tel: (800) 888-8909 Fax: (918) 582-7510	Evaluation
	"UREASEAL" Joint Sealant	Roadware Inc. 2100 Wentworth Ave. S. St. Paul, MN 55075 Tel: (800) 522-7623 Fax: (918)587-5567	Evaluation
Bridge Deck Waterproofing Membrane	Protecto Wrap M400 AR, Cold Applied	Protecto Wrap Co. 2255 S. Delaware St. Denver, CO 80223 Tel: (800) 759-9727 Fax: (303) 777-9273	Evaluation
	Royston Bridge Membrane No. 10AN, Cold Applied	Chase Corporation 128 First Street Pittsburgh, PA 15238 Tel: (412) 828-1500 Fax: (412) 828-4826	Evaluation
Bridge High Strength Rods		Dywidag Systems 2154 South Street Long Beach, CA 90805 – 4421 Tel: (562) 531-6161 Fax: (562) 531-32366	Certification

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General Description	Product Brand Name	Manufacturer	Certification/ Evaluation
Bridge Railing		Universal Industrial Sales, Inc. P.O. Box 699 Pleasant Grove, UT 84062 Tel: (801) 785-0505 Fax: (801) 785-1710	Certification
		SYRO, Inc. P.O. Box 99 Centerville, UT 84014	Certification
Concrete Joint Filler	SealTight Fibre Expansion Joint	W.R. Meadows, Inc. P.O. Box 338 Hampshire, IL 60140 Tel: (800) 825-5976 Fax: (847) 683-4544	Certification
Concrete Silicone Joint Sealant	Sikaflex 15 LM	Sika Corporation 201 Polito Avenue Lyndhurst, NJ 07071 Tel: (201) 933-8800 Fax: (201) 933-6225	Certification
Concrete, Steel Reinforcing Rod		Cascade Steel Rolling Mills, Inc 3200 N. Highway 99 West McMinnville, OR 97128 Tel: (503) 472-4181 Fax: (503) 434-5739	Certification
		Graham Steel Corporation 11241 Slater Avenue N.E. Suite 100 Kirkland, WA 98033 Tel: (425) 823-5656 Fax: (425) 821-3810	Certification

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General Description	Product Brand Name	Manufacturer	Certification/ Evaluation
Concrete, Steel Reinforcing Rod (cont'd)		NUCOR 2424 SW Andover Street Seattle, WA 98106-1100 Tel: (206) 933-2222 Fax: (206) 933 2207	Certification
Concrete, Steel Reinforcing Rod-Epoxy Coated		Western Coating, Inc. P.O. Box 1348 Auburn, WA 98071 Tel: (253) 735-1070 Fax (253) 735-1075	Certification
Concrete, Steel Reinforcing Wire		Davis Wire Corporation 19411 80th Avenue So. Kent, WA 98032-1190 Tel: (800) 872-8920 Fax: (253) 395-3729	Certification
Epoxy Adhesive	Sikadur 21 Lo-Mod LV, 22 Lo-Mod, 23 Lo-Mod Gel, 30, 31 Hi-Mod Gel, 32 Hi-Mod, 33, 35 Hi-Mod LV, 52, 55 SLV, Sikadur Injection Gel 300/306, 330	Sika Corporation 201 Polito Avenue Lyndhurst, NJ 07071 Tel: (800) 933-7452 Fax: (201) 507-7107	Certification
Flexible Delineator Posts		Carsonite International 10 Bob Gifford Blvd. Early Branch, SC 29916 Tel: (800) 648-7974 Fax: (803) 943-3375	Certification

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General Description	Product Brand Name	Manufacturer	Certification/ Evaluation
Glass Beads for Pavement Markings		Potters Industries, Inc. 350 NW Baker Drive Canby, OR 97013 Tel: (503) 266-7814 Fax: (503) 266-7407	Certification
		CATAPHOTE, Inc. P.O. Box 2369 Jackson, MS 39225 Tel: (601) 939-4612 Fax: (601) 932-6339	Certification
Guardrail Posts		Universal Industrial Sales, Inc. P.O. Box 699 Pleasant Grove, UT 84062 Tel: (801) 785-0505 Fax: (801) 785-1710	Certification
Iron, Gray and Malleable Castings		Neenah Foundry Co. 2121 Brooks Avenue Neenah, WI Tel: (920) 725-7000	Certification
Mailboxes		Steel City Corporation 190 North Meridian Rd. P.O. Box 1227 Youngstown, OH 44501 Tel: (800) 321-0350 Fax: (330) 792-7951	Certification

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General Description	Product Brand Name	Manufacturer	Certification/ Evaluation
Paint for Galvanized Coating Repair	Model 7007 Galvanizing Repair Paint	AERVOE Industries, Inc. 1198 Mark Circle Gardnerville, NV 89410 Tel: (775) 782-0100 Fax: (775) 782-4027	Certification
Paint for Steel Structures	Primer: MC-Zinc Intermediate: MC Ferrox B Top Coat: MC-Ferrox A	Wasser High-Tech Coatings 1004 W. James St. Ste 100 Kent, WA 98032 Tel: (253) 850-2967 Fax: (253) 850-3098	Certification
Paint for Traffic Markings (Low VOC)	Columbia Synthetic Fast Dry Traffic Paint: 17-270-CC Yellow, and 17-270-WW White	Columbia Paint & Arch. & Ind. Coatings North 112 Haven Spokane, WA 99202 Tel: (509) 536-1326 Fax: (509) 543-5112	Certification
Pipe, Corrugated Metal Culvert & Storm Drain (Coated & Uncoated)	Galvanized Steel, Aluminized Steel Type 2, Polymer-Coated Steel and Metal Pipe, Welded Seam Culvert, and Aluminum	CONTECH / CULFABCO 111 East 100th Ave. Anchorage, AK 99515 Tel: (907) 344-1144 Fax: (907) 344-1174	Certification

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General Description	Product Brand Name	Manufacturer	Certification/ Evaluation
Pipe, Corrugated Metal Culvert & Storm Drain End Sections (Coated & Uncoated)	Aluminized Steel Type 2 and Aluminum	CONTECH / CULFABCO 111 East 100 th Ave. Anchorage, AK 99515 Tel: (907) 344-1144 Fax: (907) 344-1174	Certification
	Galvanized Steel, and Aluminum	J&J Drainage Prod. Co. P.O. Box 829 Hutchison, KS 67504 Tel: (316) 663-1575 Fax: (316) 663-1701	Certification
Pipe, Corrugated Polyethylene	Hancor Sure-Lok F477	Hancor 1807 19th Ave. Milton, WA 98354 Tel: (888) FOR-PIPE Fax: (888) FAX-PIPE	Certification
	ADS N-12 Polyethylene Pipe Corrugated and Smooth Interior	Advanced Drainage Systems, Inc. 4640 Trueman Blvd. Hilliard, OH 43026 Tel: (800) 733-7473 Fax: (614) 658-0050	Certification

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General Description	Product Brand Name	Manufacturer	Certification/ Evaluation
Pipe, Ductile Iron & Fittings	3"4" Class 51-56 Tyton Joint and, 30"-36" Class 50-56 Fastite Joint Cement Lined D.I.P.; and 6", 8", 10", 12", 14", 16", 18", and 24" Class 50-56 Tyton Joint Cement Lined D.I.P.; 6", 8", 10" and 12" Mechanical Joint Cement Lined D.I.P.	Pacific States Cast Iron Pipe Co. P.O. Box 1219 Provo, UT 84603 Tel: (801) 373-6910	Certification
Pipe, Fin Drains	ADS AdvanEdge	Advanced Drainage Systems, Inc. 4640 Trueman Blvd. Hilliard, OH 43026 Tel: (800) 733-7473 Fax: (614) 658-0050	Certification
Pipe, Structural Plate	Multi-Plate Structures	CONTECH / CULFABCO 111 East 100th Ave. Anchorage, AK 99515 Tel: (907) 344-1144 Fax: (907) 344-1174	Certification
	Structural Plate Pipe, Pipe Arches, and Low Profile Steel Box Culverts	Lane Enterprises Inc. 3905 Hartzdale Drive, Suite 514 Camp Hill, PA 17011 Tel: (717) 761-8175 Fax: (717) 761-5055	Certification
Pre-Cast Concrete		Pre-cast Concrete Co. 8811 Toloff Street Anchorage, AK 99507 Tel: (907) 344-6449 Fax: (907) 349-2213	Certification
		D&S Concrete, Inc. 2140 E. Dimond Blvd. Anchorage, AK 99507 Tel: (907) 349-6031 Fax: (907) 349-4597	Certification

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General Description	Product Brand Name	Manufacturer	Certification/ Evaluation
Pre-Cast Concrete (cont'd)		Fairbanks Precasters, Inc. P.O. Box 75289 Fairbanks, AK Tel: (907) 488-9763 Fax: (907) 488-8300	Certification
		University Redi-Mix, Inc P.O. Box 60750 Fairbanks, AK 99706 Tel: (907) 479-0122 Fax: (907) 479-2204	Certification
Soil, Fertilizer		Alaska Mill and Feed Co. 114 North Orca P.O. Box 101246 Anchorage, AK 99510 Tel: (907) 279-4519 Fax: (907) 276-7416	Certification
Soil, Stabilization/Matting		Belton Industries, Inc. P.O. Box 127 Belton, SC 29627 Tel: (864) 338-5711 Fax: (864) 338-5594	Certification
	Curlex I, II, Curlex Enforcer II, Curlex I, II, III Stitched, Curlex Roadrunner, Curlex Sediment Log	American Excelsior Co. 831 Pioneer Ave. Rice Lake, WI 54868 Tel: (715) 234-6861 Fax: (715) 234-6823	Certification

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General Description	Product Brand Name	Manufacturer	Certification/ Evaluation
Soil, Stabilization/Mulch	EcoFiber, EcoFiber+Tac, Eco Aegis	Fibre Marketing International, Inc 2806 NE Sunset Blvd. Suite A Renton, WA 98056 Tel: (425) 277-9966 Fax: (425) 277-9971	Certification
	Astro Mulch, Astro Mulch Plus Tackifier	Thermo Kool of AK, Inc. 6348 Quinhagak Anchorage, AK 99507 Tel: (907) 563-3644 Fax: (907) 561-2758	Certification
Standard Sign Reflective Sheeting	T-5500 High Intensity Grade ASTM Type III retro- reflective sheeting	Avery Dennison Reflective Films Div. 6565 West Howard St. Niles, IL 60714 Tel: (847) 647-7717 Fax: (847) 647-1205	Certification
Standard Signs	Fabrication includes: Sheet Aluminum, Reflective Sheeting, "Slip Base" and Metal, Perforated, Wide Flange or Flanged Channel Posts.	Warning Lights of Alaska, Inc. 591 West 67th Ave. Anchorage, AK 99518 Tel: (907) 562-2124 Fax: (907) 562-0473	Certification
	Fabrication includes: Sheet Aluminum, Reflective Sheeting, "Slip Base" and Metal, Perforated, Wide Flange or Flanged Channel Posts.	Traffic Safety Supply Co., Inc. 2324 S.E. Umatilla St. Portland, OR. 97202 Tel: (503) 235-8531 Fax: (503) 235-5112	Certification
		Universal Industrial Sales, Inc. P.O. Box 699 Pleasant Grove, UT 84062 Tel: (801) 785-0505 Fax: (801) 785-1710	Certification

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General Description	Product Brand Name	Manufacturer	Certification/ Evaluation
Standard Signs, Perforated Steel Posts, and "Slip Base" assemblies	Ulti-Mate Sign Support System	Western Highway Products, Inc. P.O. Box 7 Stanton, CA 90680 Tel: (714) 484-4254 Fax: (714) 761-2965	Certification
	Slip Base Assembly	Allied Tube & Conduit 16100 South Lathrop Ave. Harvey, IL 60426 Tel: (800) 882-5543	Certification
Survey Monument Cases		Inland Foundry Co., Inc. North 11250 Market St. P.O. Box 453 Mead, WA 99021 Tel: (509) 466-7121 Fax: (509) 466-7696	Certification
		Neenah Foundry Company 2121 Brooks Ave Neenah, WI Tel: (920) 725-7000	Certification