

**LIST V-4
 PERMANENT TRAFFIC MARKING MATERIALS AND PRODUCERS**

ALL SUPPLIERS MUST PARTICIAPTE IN ALDOT 420, "ACCEPTANCE PROGRAM FOR TRAFFIC MARKING MATERIALS".
 Class 1H, Class 2, and Class 2T materials shall be in compliance with the formulations given in the tables in Section 856 for each class.

PRODUCT	SUPPLIER CODE	DATE APPROVED
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CLASS 1 (PAINT) MATERIALS

WHITE

ORGANIC SOLVENT CARRIER

EW-112 (STR 91-22)	TM-0002	01/31/94
BP-6803(91-40)	TM-0006	01/31/94

WATER CARRIER

AW-250 (STR 91-24)	TM-0002	01/31/94
41694-1	TM-0003	02/03/97
41694-2	TM-0003	02/03/97
BP-9125(93-87)	TM-0006	10/02/95
HYDROPHAST WHITE	TM-0022	03/06/12
CLASS 1 WATERBORNE 14201	TM-0023	05/04/15

YELLOW

ORGANIC SOLVENT CARRIER

LFY-113 (STR 92-81)	TM-0002	10/31/94
EY-113 (STR 91-23)	TM-0002	01/31/94

WATER CARRIER

AY-201	TM-0002	01/31/94
AY-251 (STR 92-84)	TM-0002	01/31/94
LFY-251	TM-0002	10/31/94
LFY-207	TM-0002	10/02/95
AY-207	TM-0002	10/02/95
41694-4	TM-0003	02/03/97
41694-3	TM-0003	02/03/97
BP-10120(94-020)	TM-0006	10/02/95
HYDROPHAST YELLOW	TM-0022	03/06/12
CLASS 1 WATERBORNE 24201	TM-0023	05/04/15

CLASS 2 (PREFORMED THERMOPLASTIC) MATERIALS

WHITE

02-51 FLAMETAPE WHITE	TM-0017	03/07/05
02-52 FLAMETAPE MILLENIUM WHITE	TM-0017	03/07/05
91-86 HOT TAPE ***	TM-0017	01/31/94
99-28 PREMARK ***	TM-0017	05/06/02
SWARCO PREFORMED THERMOPLASTIC	TM-0009	06/04/14
OZARK MATERIALS PREFORMED THERMOPLASTIC	TM-0023	05/02/17
OPTAMARK PREFORMED THERMOPLASTIC PAVEMENT MARKING	TM-0025	04/01/19
TUFF-MARK PREFORMED THERMOPLASTIC	TM-0004	09/08/20
PREFORM PSFW	TM-0027	07/12/21

YELLOW

02-53	FLAMETAPE YELLOW	TM-0017	03/07/05
91-85	HOT TAPE ***	TM-0017	01/31/94
98-71	PREMARK ***	TM-0017	05/06/02
	OZARK MATERIALS PREFORMED THERMOPLASTIC	TM-0023	06/06/17
	TUFF-MARK PREFORMED THERMOPLASTIC	TM-0004	09/08/20
	OPTAMARK PREFORMED THERMOPLASTIC PAVEMENT MARKING	TM-0025	04/04/22

CLASS 3 (TAPE) MATERIALS

WHITE

STAMARK SERIES 380, TAPE	TM-0001	08/02/99
DIRECTOR	TM-0009	10/31/94
DIRECTOR-60	TM-0009	06/30/04
DIRECTOR-35 INTERSECTION GRADE	TM-0009	02/03/97
SERIES 1000	TM-0024	10/02/95
INTERSECTION GRADE WHITE	TM-0024	02/03/97
ATM 400W 19-402	TM-0015	11/23/04
ATM 300 PERMANENT MARKING TAPE	TM-0015	11/23/04
3M STAMARK WET REFLECTIVE SERIES 270 (White)	TM-0001	02/07/11
3M STAMARK HIGH PERFORMANCE ALL WEATHER TAPE 380AW (WHITE)	TM-0001	08/05/13
DELTALINE XRP TAPE	TM-0024	04/04/16

YELLOW

STAMARK SERIES 381, TAPE	TM-0001	08/02/99
DIRECTOR	TM-0009	10/31/94
DIRECTOR-60	TM-0009	06/30/04
DIRECTOR-35 INTERSECTION GRADE	TM-0009	02/03/97
SERIES 1000	TM-0024	10/02/95
ATM 400W 19-403	TM-0015	11/23/04
ATM 300 PERMANENT MARKING TAPE	TM-0015	11/23/04
3M STAMARK WET REFLECTIVE SERIES 271 (Yellow)	TM-0001	02/07/11
3M STAMARK HIGH PERFORMANCE ALL WEATHER TAPE 381AW (YELLOW) **	TM-0001	08/05/13

CLASS W (WARRANTED TRAFFIC MARKING MATERIALS)

WHITE

STAMARK SERIES 380, TAPE	TM-0001	08/02/99
ATM 400W 19-402	TM-0015	11/23/04
ATM 300 PERMANENT MARKING TAPE	TM-0015	11/23/04
MARK-55.4, "MULTIPOLYMER HYBRID"	TM-0021	08/03/06
STAMARK SERIES 390, TAPE	TM-0001	11/03/08
3M STAMARK HIGH PERFORMANCE ALL WEATHER TAPE 380AW (WHITE)	TM-0001	08/05/13
THERMOACCEL (11377)	TM-0023	03/10/22
SWARCO SUPER STRIPE	TM-0008	08/15/23

YELLOW

STAMARK SERIES 381, TAPE	TM-0001	08/02/99
ATM 400W 19-403	TM-0015	11/23/04
ATM 300 PERMANENT MARKING TAPE	TN-0015	11/23/04
MARK-55-4, "MULTIPOLYMER HYBRID"	TM-0021	08/03/06
STAMARK SERIES 391, TAPE	TM-0001	11/03/08
3M STAMARK HIGH PERFORMANCE ALL WEATHER TAPE 381AW (YELLOW) **	TM-0001	08/05/13
THERMOACCEL (21377)	TM-0023	03/10/22
SWARCO SUPER STRIPE	TM-0008	08/15/23

**NOTE: 3M STAMARK HIGH PERFORMANCE ALL WEATHER TAPE 381AW (YELLOW) IS ONLY FOR USE ON CONCRETE

***NOTE: ENNIS FLINT HOTTAPE IS A 'PREHEAT' PRODUCT AND ENNIS-FLINT PREMARK IS A 'NO-PREHEAT' PRODUCT

GLASS BEADS

The following producers of Drop On Glass Beads are approved to ship material to ALDOT Projects:

TM-0016 Potters Industries, Inc 820 Lufkin Road Apex, NC 27539 1-800-545-1862	06/01/06
TM-0011 Potters Industries, Inc. 5650 Highway 279N Brownwood, TX 76801 1-888-821-2964	06/01/06
TM-0007 Swarco, Inc. 901 James Campbell Boulevard P O Box 89 Columbia, TN 38401-0089 1-800-216-8781	06/01/06
TM-0012 Swarco-Reflex, Inc P O Box 1558 Mexia, TX 76667-1558 (254) 562-9879	06/01/06
TM-0010 3M Brownwood, Texas Plant (Reflective Elements) 4501 Highway 377 South Brownwood, Texas 76801 (325) 646-3551	05/07/07
TM-0019 ENNIS-FLINT, INC. 4161 PEIDMONT PARKWAY SUITE #370, GREENSBORO, NC 27410 (800)331-8118	08/06/07
TM-0023 OZARK MATERIALS, LLC 591 GLENDALE AVE GREENVILLE, AL 36037 (334) 294-9432	08/14/19

QUALIFIED TRAFFIC MARKING MATERIAL PRODUCERS

<p>TM-0001 3M TRAFFIC SAFETY SYSTEMS DIV. 6675 US HIGHWAY 43 GUIN, AL 35563 ATTN: PHILLIP CAIN (205) 468-3315</p>	<p>TM-0002 CROWN USA, INC 20180 SAFETY LANE FOLEY, AL 36536-0399 ATTN: MARTY HATCHER (800)557-8810</p>	<p>TM-0003 ENNIS-FLINT, INC 4161 PEIDMONT PARKWAY SUITE #370, GREENSBORO, NC 27410 (800)331-8118</p>
<p>TM-0004 CROWN USA, LLC 35 INDUSTRIAL PARK DRIVE P O BOX 789 WOODBURY, GA 30293 ATTN: JEANNIE POWELL (706) 553-9500</p>	<p>TM-0005 ENNIS-FLINT, INC. 1001 NEBULA ROAD MANCHESTER, GA 31816</p>	<p>TM-0006 SHERWIN WILLIAMS 404 EAST MALLORY AVENUE MEMPHIS, TN 38109 ATTN: JIM MILLER (901) 774-7320</p>
<p>TM-0007 SWARCO, INC. (Glass Beads) 901 JAMES CAMPBELL BOULEVARD P O BOX 89 COLUMBIA, TN 38401-0089 (800) 216-8781</p>	<p>TM-0008 SWARCO, INC. (Traffic Tape) 270 RUTHERFORD LANE COLUMBIA, TN 38401 ATTN: MARVIN CAINE (800) 216-8781</p>	<p>TM-0009 SWARCO, INC (Thermoplastic) 901 JAMES CAMPBELL BOULEVARD P O BOX 89 COLUMBIA, TN 38401-0089 ATTN: CINDY TUCKER (800) 216-8781</p>
<p>TM-0010 3M BROWNWOOD, TEXAS PLANT (REFLECTIVE ELEMENTS) 4501 HIGHWAY 377 SOUTH BROWNWOOD, TEXAS 76801 ATTN: PAT KRENEK (325) 646-3551</p>	<p>TM-0011 POTTERS INDUSTRIES, INC. 5650 HIGHWAY 279N BROWNWOOD, TX 76801 ATTN: GARY WHITE (800)821-2964</p>	<p>TM-0012 SWARCO-REFLEX, INC. (Glass Beads) P O BOX 1558 MEXIA, TX 76667-1558 ATTN: DONALD KEENUM (254) 562-9879</p>
<p>TM-0016 POTTERS INDUSTRIES, INC. 820 LUFKIN ROAD APEX, NC 27539 ATTN: GORDON HILL (800)545-1862</p>	<p>TM-0017 ENNIS-FLINT, INC 4161 PEIDMONT PARKWAY SUITE #370, GREENSBORO, NC 27410 (800)331-8118</p>	<p>TM-0019 ENNIS-FLINT, INC 4161 PEIDMONT PARKWAY SUITE #370, GREENSBORO, NC 27410 (800)331-8118</p>
<p>TM-0021 OLIN EPOXY-POLY-CARB, 125 INDUSTRIAL PARK RD ROBERTA, GA 31078 ATTN: KARUNAKAR JAGGARI (478) 836-2881</p>	<p>TM-0022 FRANKLIN PAINT 259 COTTAGE STREET FRANKLIN, PA 02038 ATTN: RAY TASSINI (443) 617-7476</p>	<p>TM-0023 OZARK MATERIALS. LLC 591 GLENDALE AVE GREENVILLE, AL 36037 ATTN: JEFF WEBB (334) 294-9432</p>
<p>TM-0024 BRITE LINE TECHNOLOGIES 10660 E.51ST AVE. DENVER, CO 80239 ATTN: GORDON SILL (303) 375-1293</p>	<p>TM-0025 GEVEKO MARKINGS 300 BROGDON ROAD SUITE 180 SUWANEE, GA 30024 ATTN: LAURA CLARK (770) 847 9410</p>	<p>TM-0026 RETRO INDUSTRIES, LLC 107 N. ASH AVE SOUTH PITTSBURG, TN 37380 ATTN: MARK TERRY (423) 443-8678</p>
<p>TM-0027 PREFORM, LLC 3845 DEERPARK BLVD. ELKTON, FL 21033 ATTN: ROXANNE BROWN (888) 826-5161</p>	<p>TM-0028 TRAFFIC MATERIALS SUPPLIER, LLC 390 INDUSTRIAL DRIVE ST. AUGUSTINE, FL 32092 ATTN: ALEX CADY (336) 471-7158 ATTN: ROXANNE BROWN (512) 733-4040</p>	

ATTACHMENT 1

ALABAMA DEPARTMENT OF TRANSPORTATION

Warranty for Traffic Marking Materials

The traffic marking material shall remain effective for its entire warranted period under expected traffic conditions and shall meet both the minimum retained coefficient of retroreflection value of 130 mcd measured at “30 meter” geometry and the minimum retained color coefficient measured using 45°/0° geometry.

Color	Daytime Chromaticity Coordinates (Corner Points)							
	1		2		3		4	
	x	y	x	y	X	y	x	y
White	.355	.355	.305	.305	.285	.325	.335	.375
Yellow	.449	.377	.53	.456	.51	.485	.435	.429

Warranty Duration:

Longitudinal Lines 6 years
 New asphalt inlay
 Overlay on good quality PCC

Legends and Symbols 2 years

Replacement Provisions:

1. Deficient pavement markings shall be replaced in kind within 60 days of notification, including materials, labor, and traffic control for years 1 – 4.
2. Restore lines to meet minimum specifications in years 5 – 6. Products and replacement method to be determined by the manufacturer with approval of the Department. Replacement products will be selected from List V-4, PERMANENT TRAFFIC MARKING MATERIALS, of the Department’s Materials, Sources and Devices with Special Acceptance Requirements Manual.

Conditions:

Technical assistance shall be provided by or approved by the manufacturer, who shall also insure that the material is installed according to manufacturers recommended application procedures.

Damage to pavement markings caused by snow removal equipment is not covered under this warranty.

Up to 5% of the markings on any project shall be excluded from the replacement provisions provided that the failure is a result of outside causes rather than defective material. Outside causes include, with limitation: extreme wear at intersections or crossover areas, unusually large amounts of heavy vehicles, etc.

A visual night inspection will be made with a manufacturer’s representative and the Engineer to identify areas of the installation which appear to be below the minimum specifications.

Replacement markings shall carry the unexpired warranty of the marking it replaces.

The Department will maintain an accurate record of the dates of material installation, which constitutes the start of the warranty period.

The Department will notify the manufacturer of a failure within 60 days of discovery. Reasonable information

requested by the manufacturer will be provided and the manufacturer will be permitted to verify the cause of the failure.