

**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

**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

**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

\*\*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

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## 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><b>TM-0001</b>          3M TRAFFIC SAFETY SYSTEMS DIV.          6675 US HIGHWAY 43          GUIN, AL 35563          ATTN: PHILLIP CAIN          (205) 468-3315</p>	<p><b>TM-0002</b>          SAFETY COATINGS, INC          20180 SAFETY LANE          FOLEY, AL 36536-0399          ATTN: MARTY HATCHER          (800)557-8810</p>	<p><b>TM-0003</b>          ENNIS-FLINT, INC          4161 PEIDMONT PARKWAY          SUITE #370,          GREENSBORO, NC 27410          (800)331-8118</p>
<p><b>TM-0004</b>          CROWN TECHNOLOGY, LLC          35 INDUSTRIAL PARK DRIVE          P O BOX 789          WOODBURY, GA 30293          ATTN: JEANNIE POWELL          (706) 553-9500</p>	<p><b>TM-0005</b>          ENNIS-FLINT, INC.          1001 NEBULA ROAD          MANCHESTER, GA 31816</p>	<p><b>TM-0006</b>          SHERWIN WILLIAMS          404 EAST MALLORY AVENUE          MEMPHIS, TN 38109          ATTN: JIM MILLER          (901) 774-7320</p>
<p><b>TM-0007</b>          SWARCO, INC. (Glass Beads)          901 JAMES CAMPBELL BOULEVARD          P O BOX 89          COLUMBIA, TN 38401-0089          (800) 216-8781</p>	<p><b>TM-0008</b>          SWARCO, INC. (Traffic Tape)          270 RUTHERFORD LANE          COLUMBIA, TN 38401          ATTN: MARVIN CAINE          (800) 216-8781</p>	<p><b>TM-0009</b>          SWARCO, INC (Thermoplastic)          901 JAMES CAMPBELL BOULEVARD          P O BOX 89          COLUMBIA, TN 38401-0089          ATTN: CINDY TUCKER          (800) 216-8781</p>
<p><b>TM-0010</b>          3M BROWNWOOD, TEXAS PLANT          (REFLECTIVE ELEMENTS)          4501 HIGHWAY 377 SOUTH          BROWNWOOD, TEXAS 76801          ATTN: PAT KRENEK          (325) 646-3551</p>	<p><b>TM-0011</b>          POTTERS INDUSTRIES, INC.          5650 HIGHWAY 279N          BROWNWOOD, TX 76801          ATTN: GARY WHITE          (800)821-2964</p>	<p><b>TM-0012</b>          SWARCO-REFLEX, INC. (Glass Beads)          P O BOX 1558          MEXIA, TX 76667-1558          ATTN: DONALD KEENUM          (254) 562-9879</p>
<p><b>TM-0016</b>          POTTERS INDUSTRIES, INC.          820 LUFKIN ROAD          APEX, NC 27539          ATTN: GORDON HILL          (800)545-1862</p>	<p><b>TM-0017</b>          ENNIS-FLINT, INC          4161 PEIDMONT PARKWAY          SUITE #370,          GREENSBORO, NC 27410          (800)331-8118</p>	<p><b>TM-0019</b>          ENNIS-FLINT, INC          4161 PEIDMONT PARKWAY          SUITE #370,          GREENSBORO, NC 27410          (800)331-8118</p>
<p><b>TM-0021</b>          OLIN EPOXY-POLY-CARB,          125 INDUSTRIAL PARK RD          ROBERTA, GA 31078          ATTN: KARUNAKAR JAGGARI          (478) 836-2881</p>	<p><b>TM-0022</b>          FRANKLIN PAINT          259 COTTAGE STREET          FRANKLIN, PA 02038          ATTN: RAY TASSINI          (443) 617-7476</p>	<p><b>TM-0023</b>          OZARK MATERIALS. LLC          591 GLENDALE AVE          GREENVILLE, AL 36037          ATTN: JEFF WEBB          (334) 294-9432</p>
<p><b>TM-0024</b>          BRITE LINE TECHNOLOGIES          10660 E.51<sup>ST</sup> AVE.          DENVER, CO 80239          ATTN: GORDON SILL          (303) 375-1293</p>	<p><b>TM-0025</b>          GEVEKO MARKINGS          300 BROGDON ROAD          SUITE 180          SUWANEE, GA 30024          ATTN: LAURA CLARK          (770) 847 9410</p>	<p><b>TM-0026</b>          RETRO INDUSTRIES, LLC          107 N. ASH AVE          SOUTH PITTSBURG, TN 37380           ATTN: MARK TERRY          (423) 443-8678</p>
<p><b>TM-0027</b>          PREFORM, LLC          620 S. HOLMES BLVD.          ST. AUGUSTINE, FL 32084           ATTN: ROXANNE BROWN          512-736-5282</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.