



West Virginia Purchasing Division

2019 Washington Street, East
Charleston, WV 25305
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The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at ***wvOASIS.gov***. As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at ***WVPurchasing.gov*** with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.

Header

List View

General Information | Contact | Default Values | Discount | Document Information

Procurement Folder: 46855

Procurement Type: Central Master Agreement

Vendor ID: 000000172009

Legal Name: ROCAL INC

Alias/DBA:

Total Bid: \$49,826.10

Response Date: 01/19/2015

Response Time: 13:52

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SO Dept: 0803

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Status: Closed

Solicitation Description: DEMOUNTABLE COPY TYPE ASTM-XI
SERIES E & SERIES E-MODIFIED

Total of Header Attachments: 0

Total of All Attachments: 0



Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

**State Of West Virginia
 Solicitation Response**

Proc Folder : 46855

Solicitation Description : DEMOUNTABLE COPY TYPE ASTM-XI SERIES E & SERIES E-MODIFIED

Proc Type : Central Master Agreement

Date issued	Solicitation Closes	Solicitation No	Version
	2015-01-21 13:30:00	SR 0803 ESR01191500000001700	1

VENDOR
000000172009 ROCAL INC

FOR INFORMATION CONTACT THE BUYER
 Crystal Rink
 (304) 558-2402
 crystal.g.rink@wv.gov

Signature X **FEIN #** **DATE**

All offers subject to all terms and conditions contained in this solicitation

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	UPPER CASE SERIES E MODIFIED COPY TYPE ASTM-XI SHEETING	20.00000	EA	\$52.52	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description : UPPER CASE SERIES E MODIFIED COPY TYPE ASTM-XI SHEETING
24" LETTERS, NUMERALS OR AMPERSAND

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
2	UPPER CASE SERIES E MODIFIED COPY TYPE ASTM-XI SHEETING	10.00000	EA	\$52.52	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description : UPPER CASE SERIES E MODIFIED COPY TYPE ASTM-XI SHEETING
24" DIAGONALS

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
3	UPPER CASE SERIES E MODIFIED COPY TYPE ASTM-XI SHEETING	10.00000	EA	\$52.52	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description : UPPER CASE SERIES E MODIFIED COPY TYPE ASTM-XI SHEETING
24" PERIOD

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
4	UPPER CASE SERIES E MODIFIED COPY TYPE ASTM-XI SHEETING	20.00000	EA	\$36.50	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description : UPPER CASE SERIES E MODIFIED COPY TYPE ASTM-XI SHEETING
20" LETTERS, NUMERALS OR AMPERSAND

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
5	UPPER CASE SERIES E MODIFIED COPY TYPE ASTM-XI SHEETING	10.00000	EA	\$36.50	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description : UPPER CASE SERIES E MODIFIED COPY TYPE ASTM-XI SHEETING
20" DIAGONALS

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
6	UPPER CASE SERIES E MODIFIED COPY TYPE ASTM-XI SHEETING	10.00000	EA	\$36.50	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description : UPPER CASE SERIES E MODIFIED COPY TYPE ASTM-XI SHEETING
20" PERIODS

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
7	UPPER CASE SERIES E MODIFIED COPY TYPE ASTM-XI SHEETING	50.00000	EA	\$23.37	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description : UPPER CASE SERIES E MODIFIED COPY TYPE ASTM-XI SHEETING
16" LETTERS, NUMERALS OR AMPERSAND

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
8	UPPER CASE SERIES E MODIFIED COPY TYPE ASTM-XI SHEETING	10.00000	EA	\$23.37	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description : UPPER CASE SERIES E MODIFIED COPY TYPE ASTM-XI SHEETING
16" DIAGONALS

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
9	UPPER CASE SERIES E MODIFIED COPY TYPE ASTM-XI SHEETING	10.00000	EA	\$23.37	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description : UPPER CASE SERIES E MODIFIED COPY TYPE ASTM-XI SHEETING
16" PERIODS

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
10	UPPER CASE SERIES E MODIFIED COPY TYPE ASTM-XI SHEETING	50.00000	EA	\$16.15	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description : UPPER CASE SERIES E MODIFIED COPY TYPE ASTM-XI SHEETING
13.33" LETTERS, NUMERALS OR AMPERSAND

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
11	UPPER CASE SERIES E MODIFIED COPY TYPE ASTM-XI SHEETING	10.00000	EA	\$16.15	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description : UPPER CASE SERIES E MODIFIED COPY TYPE ASTM-XI SHEETING
13.33" DIAGONALS

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
12	UPPER CASE SERIES E MODIFIED COPY TYPE ASTM-XI SHEETING	10.00000	EA	\$16.15	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description : UPPER CASE SERIES E MODIFIED COPY TYPE ASTM-XI SHEETING
13.33" PERIODS

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
13	UPPER CASE SERIES E MODIFIED COPY TYPE ASTM-XI SHEETING	250.00000	EA	\$10.37	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description : UPPER CASE SERIES E MODIFIED COPY TYPE ASTM-XI SHEETING
10.67" LETTERS, NUMERALS OR AMPERSAND

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
14	UPPER CASE SERIES E MODIFIED COPY TYPE ASTM-XI SHEETING	20.00000	EA	\$10.37	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description : UPPER CASE SERIES E MODIFIED COPY TYPE ASTM-XI SHEETING
10.67" DIAGONALS

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
15	UPPER CASE SERIES E MODIFIED COPY TYPE ASTM-XI SHEETING	20.00000	EA	\$10.37	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description : UPPER CASE SERIES E MODIFIED COPY TYPE ASTM-XI SHEETING
10.67" PERIODS

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
16	UPPER CASE SERIES E MODIFIED COPY TYPE ASTM-XI SHEETING	500.00000	EA	\$5.78	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description : UPPER CASE SERIES E MODIFIED COPY TYPE ASTM-XI SHEETING
8" LETTERS, NUMERALS, OR AMPERSAND

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
17	UPPER CASE SERIES E MODIFIED COPY TYPE ASTM-XI SHEETING	10.00000	EA	\$5.78	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description :	UPPER CASE SERIES E MODIFIED COPY TYPE ASTM-XI SHEETING 8" DIAGONALS
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Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
18	UPPER CASE SERIES E MODIFIED COPY TYPE ASTM-XI SHEETING	20.00000	EA	\$5.78	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description :	UPPER CASE SERIES E MODIFIED COPY TYPE ASTM-XI SHEETING 8" PERIODS
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Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
19	LOWER CASE SERIES E MODIFIED COPY TYPE ASTM-XI SHEETING	20.00000	EA	\$29.55	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description :	LOWER CASE SERIES E MODIFIED COPY TYPE ASTM-XI SHEETING 18" LETTERS
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Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
20	LOWER CASE SERIES E MODIFIED COPY TYPE ASTM-XI SHEETING	20.00000	EA	\$20.48	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description :	LOWER CASE SERIES E MODIFIED COPY TYPE ASTM-XI SHEETING 15" LETTERS
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Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
21	LOWER CASE SERIES E MODIFIED COPY TYPE ASTM-XI SHEETING	50.00000	EA	\$13.13	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description :	LOWER CASE SERIES E MODIFIED COPY TYPE ASTM-XI SHEETING 12" LETTERS
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Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
22	LOWER CASE SERIES E MODIFIED COPY TYPE ASTM-XI SHEETING	250.00000	EA	\$9.06	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description :	LOWER CASE SERIES E MODIFIED COPY TYPE ASTM-XI SHEETING 10" LETTERS
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Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
23	LOWER CASE SERIES E MODIFIED COPY TYPE ASTM-XI SHEETING	500.00000	EA	\$5.78	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description :	LOWER CASE SERIES E MODIFIED COPY TYPE ASTM-XI SHEETING 8" LETTERS
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Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
24	LOWER CASE SERIES E MODIFIED COPY TYPE ASTM-XI SHEETING	750.00000	EA	\$3.29	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description :	LOWER CASE SERIES E MODIFIED COPY TYPE ASTM-XI SHEETING 6" LETTERS
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Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
25	UPPER CASE SERIES E COPY TYPE ASTM-XI SHEETING	20.00000	EA	\$29.55	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description : UPPER CASE SERIES E COPY TYPE ASTM-XI SHEETING
18" LETTERS OR NUMERALS

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
26	UPPER CASE SERIES E COPY TYPE ASTM-XI SHEETING	10.00000	EA	\$29.55	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description : UPPER CASE SERIES E COPY TYPE ASTM-XI SHEETING
18" DIAGONALS

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
27	UPPER CASE SERIES E COPY TYPE ASTM-XI SHEETING	10.00000	EA	\$29.55	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description : UPPER CASE SERIES E COPY TYPE ASTM-XI SHEETING
18" PERIODS

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
28	UPPER CASE SERIES E COPY TYPE ASTM-XI SHEETING	100.00000	EA	\$20.48	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description : UPPER CASE SERIES E COPY TYPE ASTM-XI SHEETING
15" LETTERS OR NUMERALS

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
29	UPPER CASE SERIES E COPY TYPE ASTM-XI SHEETING	10.00000	EA	\$20.48	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description : UPPER CASE SERIES E COPY TYPE ASTM-XI SHEETING
15" DIAGONALS

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
30	UPPER CASE SERIES E COPY TYPE ASTM-XI SHEETING	10.00000	EA	\$20.48	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description : UPPER CASE SERIES E COPY TYPE ASTM-XI SHEETING
15" PERIODS

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
31	UPPER CASE SERIES E COPY TYPE ASTM-XI SHEETING	200.00000	EA	\$13.13	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description : UPPER CASE SERIES E COPY TYPE ASTM-XI SHEETING
12" LETTERS OR NUMERALS

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
32	UPPER CASE SERIES E COPY TYPE ASTM-XI SHEETING	10.00000	EA	\$13.13	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description : UPPER CASE SERIES E COPY TYPE ASTM-XI SHEETING
12" DIAGONALS

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
33	UPPER CASE SERIES E COPY TYPE ASTM-XI SHEETING	10.00000	EA	\$13.13	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description :	UPPER CASE SERIES E COPY TYPE ASTM-XI SHEETING 12" PERIODS
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Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
34	UPPER CASE SERIES E COPY TYPE ASTM-XI SHEETING	350.00000	EA	\$9.06	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description :	UPPER CASE SERIES E COPY TYPE ASTM-XI SHEETING 10" LETTERS OR NUMERALS
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Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
35	UPPER CASE SERIES E COPY TYPE ASTM-XI SHEETING	50.00000	EA	\$9.06	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description :	UPPER CASE SERIES E COPY TYPE ASTM-XI SHEETING 10" DIAGONALS
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Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
36	UPPER CASE SERIES E COPY TYPE ASTM-XI SHEETING	20.00000	EA	\$9.06	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description :	UPPER CASE SERIES E COPY TYPE ASTM-XI SHEETING 10" PERIODS
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Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
37	UPPER CASE SERIES E COPY TYPE ASTM-XI SHEETING	300.00000	EA	\$5.78	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description :	UPPER CASE SERIES E COPY TYPE ASTM-XI SHEETING 8" LETTERS OR NUMERALS
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Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
38	UPPER CASE SERIES E COPY TYPE ASTM-XI SHEETING	50.00000	EA	\$5.78	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description :	UPPER CASE SERIES E COPY TYPE ASTM-XI SHEETING 8" DIAGONALS
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Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
39	UPPER CASE SERIES E COPY TYPE ASTM-XI SHEETING	20.00000	EA	\$5.78	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description :	UPPER CASE SERIES E COPY TYPE ASTM-XI SHEETING 8" PERIODS
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Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
40	UPPER CASE SERIES E COPY TYPE ASTM-XI SHEETING	110.00000	EA	\$3.29	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description :	UPPER CASE SERIES E COPY TYPE ASTM-XI SHEETING 6" LETTERS OR NUMERALS
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Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
41	UPPER CASE SERIES E COPY TYPE ASTM-XI SHEETING	50.00000	EA	\$3.29	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description :	UPPER CASE SERIES E COPY TYPE ASTM-XI SHEETING 6" DIAGONALS
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Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
42	UPPER CASE SERIES E COPY TYPE ASTM-XI SHEETING	20.00000	EA	\$3.29	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description :	UPPER CASE SERIES E COPY TYPE ASTM-XI SHEETING 6" PERIODS
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Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
43	UPPER CASE SERIES E COPY TYPE ASTM-XI SHEETING	100.00000	EA	\$2.23	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description :	UPPER CASE SERIES E COPY TYPE ASTM-XI SHEETING 5" LETTERS OR NUMERALS
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Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
44	UPPER CASE SERIES E COPY TYPE ASTM-XI SHEETING	20.00000	EA	\$2.23	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description :	UPPER CASE SERIES E COPY TYPE ASTM-XI SHEETING 5" PERIODS
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Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
45	UPPER CASE SERIES E COPY TYPE ASTM-XI SHEETING	100.00000	EA	\$1.45	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description : UPPER CASE SERIES E COPY TYPE ASTM-XI SHEETING
4" LETTERS OR NUMERALS

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
46	UPPER CASE SERIES E COPY TYPE ASTM-XI SHEETING	50.00000	EA	\$1.45	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description : UPPER CASE SERIES E COPY TYPE ASTM-XI SHEETING
4" PERIODS

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
47	STANDARD ARROW SHAPES TYPE ASTM-XI SHEETING	10.00000	EA	\$64.20	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description : STANDARD ARROW SHAPES TYPE ASTM-XI SHEETING
22" X 32" DOWN ARROW

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
48	STANDARD ARROW SHAPES TYPE ASTM-XI SHEETING	10.00000	EA	\$36.11	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description : STANDARD ARROW SHAPES TYPE ASTM-XI SHEETING
16-1/2" x 24" DOWN ARROW

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
49	STANDARD ARROW SHAPES TYPE ASTM-XI SHEETING	10.00000	EA	\$72.22	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description :	STANDARD ARROW SHAPES TYPE ASTM-XI SHEETING 22-1/4" X 35-5/8" TAPERED ARROW
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Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
50	STANDARD ARROW SHAPES TYPE ASTM-XI SHEETING	30.00000	EA	\$49.37	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description :	STANDARD ARROW SHAPES TYPE ASTM-XI SHEETING 18-1/2" X 29-1/4" TAPERED ARROW
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Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
51	STANDARD ARROW SHAPES TYPE ASTM-XI SHEETING	30.00000	EA	\$33.48	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description :	STANDARD ARROW SHAPES TYPE ASTM-XI SHEETING 15-1/8" X 24-1/4" TAPERED ARROW
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Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
52	STANDARD ARROW SHAPES TYPE ASTM-XI SHEETING	50.00000	EA	\$13.13	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description :	STANDARD ARROW SHAPES TYPE ASTM-XI SHEETING 11-1/4" X 12-3/4" TAPERED ARROW
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Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
53	STANDARD ARROW SHAPES TYPE ASTM-XI SHEETING	40.00000	EA	\$8.79	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description :	STANDARD ARROW SHAPES TYPE ASTM-XI SHEETING 8" X 12" STRAIGHT SHAFT ARROW
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Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
54	STANDARD ARROW SHAPES TYPE ASTM-XI SHEETING	20.00000	EA	\$29.15	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description :	STANDARD ARROW SHAPES TYPE ASTM-XI SHEETING 10" X 32" DOUBLE HEAD ARROW
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Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
55	BORDER CORNER RADII TYPE ASTM-XI SHEETING	150.00000	EA	\$2.47	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description :	BORDER CORNER RADII TYPE ASTM-XI SHEETING 3" X 12"
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Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
56	BORDER CORNER RADII TYPE ASTM-XI SHEETING	50.00000	EA	\$2.67	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description :	BORDER CORNER RADII TYPE ASTM-XI SHEETING 2" x 12"
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Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
57	BORDER CORNER RADII TYPE ASTM-XI SHEETING	200.00000	EA	\$2.28	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description : BORDER CORNER RADII TYPE ASTM-XI SHEETING
2" x 9"

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
58	BORDER CORNER RADII TYPE ASTM-XI SHEETING	200.00000	EA	\$1.79	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description : BORDER CORNER RADII TYPE ASTM-XI SHEETING
2" X 6"

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
59	BORDER CORNER RADII TYPE ASTM-XI SHEETING	50.00000	EA	\$1.40	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description : BORDER CORNER RADII TYPE ASTM-XI SHEETING
2" X 3"

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
60	BORDER CORNER RADII TYPE ASTM-XI SHEETING	300.00000	EA	\$1.40	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description : BORDER CORNER RADII TYPE ASTM-XI SHEETING
1" X 6"

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
61	BORDER CORNER RADII TYPE ASTM-XI SHEETING	150.00000	EA	\$1.19	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description : BORDER CORNER RADII TYPE ASTM-XI SHEETING
1" X 3"

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
62	CIRCLES TYPE ASTM-XI SHEETING	50.00000	EA	\$14.13	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description : CIRCLES TYPE ASTM-XI SHEETING
12" DIAMETER

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
63	UPPER CASE CLEARVIEW 5-W COPY TYPE ASTM-XI SHEETING	10.00000	EA	\$52.52	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description : UPPER CASE CLEARVIEW 5-W COPY TYPE ASTM-XI SHEETING
24" LETTERS, NUMERALS OR AMPERSAND

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
64	UPPER CASE CLEARVIEW 5-W COPY TYPE ASTM-XI SHEETING	10.00000	EA	\$36.50	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description : UPPER CASE CLEARVIEW 5-W COPY TYPE ASTM-XI SHEETING
20" LETTERS, NUMERALS OR AMPERSAND

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
65	UPPER CASE CLEARVIEW 5-W COPY TYPE ASTM-XI SHEETING	10.00000	EA	\$23.37	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description : UPPER CASE CLEARVIEW 5-W COPY TYPE ASTM-XI SHEETING
16" LETTERS, NUMERALS OR AMPERSAND

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
66	UPPER CASE CLEARVIEW 5-W COPY TYPE ASTM-XI SHEETING	20.00000	EA	\$16.15	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description : UPPER CASE CLEARVIEW 5-W COPY TYPE ASTM-XI SHEETING
13.33" LETTERS, NUMERALS OR AMPERSAND

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
67	UPPER CASE CLEARVIEW 5-W COPY TYPE ASTM-XI SHEETING	20.00000	EA	\$10.37	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description : UPPER CASE CLEARVIEW 5-W COPY TYPE ASTM-XI SHEETING
10.67" LETTERS, NUMERALS OR AMPERSAND

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
68	UPPER CASE CLEARVIEW 5-W COPY TYPE ASTM-XI SHEETING	50.00000	EA	\$5.78	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description : UPPER CASE CLEARVIEW 5-W COPY TYPE ASTM-XI SHEETING
8" LETTERS, NUMERALS OR AMPERSAND

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
69	LOWER CASE CLEARVIEW 5-W COPY TYPE ASTM-XI SHEETING	10.00000	EA	\$34.66	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description :	LOWER CASE CLEARVIEW 5-W COPY TYPE ASTM-XI SHEETING 19.5" LETTERS
-------------------------------	--

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
70	LOWER CASE CLEARVIEW 5-W COPY TYPE ASTM-XI SHEETING	10.00000	EA	\$24.29	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description :	LOWER CASE CLEARVIEW 5-W COPY TYPE ASTM-XI SHEETING 16.3" LETTERS
-------------------------------	--

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
71	LOWER CASE CLEARVIEW 5-W COPY TYPE ASTM-XI SHEETING	10.00000	EA	\$15.36	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description :	LOWER CASE CLEARVIEW 5-W COPY TYPE ASTM-XI SHEETING 13" LETTERS
-------------------------------	--

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
72	LOWER CASE CLEARVIEW 5-W COPY TYPE ASTM-XI SHEETING	20.00000	EA	\$10.63	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description :	LOWER CASE CLEARVIEW 5-W COPY TYPE ASTM-XI SHEETING 10.8" LETTERS
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Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
73	LOWER CASE CLEARVIEW 5-W COPY TYPE ASTM-XI SHEETING	50.00000	EA	\$6.95	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description :	LOWER CASE CLEARVIEW 5-W COPY TYPE ASTM-XI SHEETING 8.7" LETTERS
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Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
74	LOWER CASE CLEARVIEW 5-W COPY TYPE ASTM-XI SHEETING	50.00000	EA	\$3.81	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description :	LOWER CASE CLEARVIEW 5-W COPY TYPE ASTM-XI SHEETING 6.5" LETTERS
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Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
75	UPPER CASE CLEARVIEW 4-W COPY TYPE ASTM-XI SHEETING	10.00000	EA	\$29.55	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description :	UPPER CASE CLEARVIEW 4-W COPY TYPE ASTM-XI SHEETING 18" LETTERS OR NUMERALS
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Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
76	UPPER CASE CLEARVIEW 4-W COPY TYPE ASTM-XI SHEETING	10.00000	EA	\$20.48	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description :	UPPER CASE CLEARVIEW 4-W COPY TYPE ASTM-XI SHEETING 15" LETTERS OR NUMERALS
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Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
77	UPPER CASE CLEARVIEW 4-W COPY TYPE ASTM-XI SHEETING	20.00000	EA	\$13.13	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description :	UPPER CASE CLEARVIEW 4-W COPY TYPE ASTM-XI SHEETING 12" LETTERS OR NUMERALS
-------------------------------	--

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
78	UPPER CASE CLEARVIEW 4-W COPY TYPE ASTM-XI SHEETING	30.00000	EA	\$9.06	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description :	UPPER CASE CLEARVIEW 4-W COPY TYPE ASTM-XI SHEETING 10" LETTERS OR NUMERALS
-------------------------------	--

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
79	UPPER CASE CLEARVIEW 4-W COPY TYPE ASTM-XI SHEETING	30.00000	EA	\$5.78	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description :	UPPER CASE CLEARVIEW 4-W COPY TYPE ASTM-XI SHEETING 8" LETTERS OR NUMERALS
-------------------------------	---

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
80	UPPER CASE CLEARVIEW 4-W COPY TYPE ASTM-XI SHEETING	30.00000	EA	\$3.29	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description :	UPPER CASE CLEARVIEW 4-W COPY TYPE ASTM-XI SHEETING 6" LETTERS OR NUMERALS
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Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
81	UPPER CASE CLEARVIEW 4-W COPY TYPE ASTM-XI SHEETING	50.00000	EA	\$2.23	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description :	UPPER CASE CLEARVIEW 4-W COPY TYPE ASTM-XI SHEETING 5" LETTERS OR NUMERALS
-------------------------------	---

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
82	UPPER CASE CLEARVIEW 4-W COPY TYPE ASTM-XI SHEETING	50.00000	EA	\$1.45	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description :	UPPER CASE CLEARVIEW 4-W COPY TYPE ASTM-XI SHEETING 4" LETTERS OR NUMERALS
-------------------------------	---

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
83	UPPER CASE SERIES E COPY BLACK OVERLAY FILM	30.00000	EA	\$13.13	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description :	UPPER CASE SERIES E COPY BLACK OVERLAY FILM 12" LETTERS OR NUMERALS
-------------------------------	--

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
84	UPPER CASE SERIES E COPY BLACK OVERLAY FILM	10.00000	EA	\$13.13	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description :	UPPER CASE SERIES E COPY BLACK OVERLAY FILM 12" DIAGONALS
-------------------------------	--

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
85	UPPER CASE SERIES E COPY BLACK OVERLAY FILM	30.00000	EA	\$9.06	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description :	UPPER CASE SERIES E COPY BLACK OVERLAY FILM 10" LETTERS OR NUMERALS
-------------------------------	--

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
86	UPPER CASE SERIES E COPY BLACK OVERLAY FILM	10.00000	EA	\$9.06	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description :	UPPER CASE SERIES E COPY BLACK OVERLAY FILM 10" DIAGONALS
-------------------------------	--

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
87	UPPER CASE SERIES E COPY BLACK OVERLAY FILM	40.00000	EA	\$5.78	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description :	UPPER CASE SERIES E COPY BLACK OVERLAY FILM 8" LETTERS OR NUMERALS
-------------------------------	---

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
88	UPPER CASE SERIES E COPY BLACK OVERLAY FILM	10.00000	EA	\$5.78	

Comm Code	Manufacturer	Specification	Model #
55121721			

Extended Description :	UPPER CASE SERIES E COPY BLACK OVERLAY FILM 8" DIAGONALS
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Avery Dennison® OmniCube™ T-11000 & W-11000 Series

Full Cube Microprismatic Retroreflective Film

Issued: July 2013

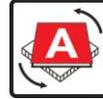
Avery Dennison® OmniCube™ T-11000 & W-11000 Series High Intensity Microprismatic Retroreflective Film takes full-cube reflective sheeting to a new level. OmniCube full-cube prisms are 100% efficient – returning approximately 60% of the available light back to the driver compared to only 40% with other prismatic reflective sheetings.

OmniCube's Intelligent Cube Technology incorporates the needs of all vehicle types; trucks, SUVs, automobiles, and motorcycles into one reflective sheeting.

OmniCube T-11000 & W-11000 is an Omni-Directional microprismatic film that incorporates tiles of full-cube microprisms arranged in multiple orientations. This feature – “Smart at Every Angle” benefits agencies by providing confidence that all signs will perform with uniform visual reflectivity at all sign face orientations.



Performance:
ASTM D4956 Type XI
See Page 2 for complete list.



Orientation: Omni-Directional



Durability: 12 year
Vertical exposure only.



Face: High-Gloss Acrylic
Retroreflective Film with
Microprisms



Adhesive: Permanent
Pressure Sensitive



Liner: Polypropylene Film

Features:

- Omni-Directional
- Designed for all drivers in trucks, SUVs, automobiles, and motorcycles
- Field proven long term durability on safety devices worldwide
- Uniform daytime and nighttime visual appearance

Conversion:

- Screen Printing
- Eco Solvent Inkjet Printing
- Thermal Die-Cut
- Flat Bed Sign-Cut
- Drum Roller Sign-Cut
- Steel Rule Sign-Cut

Applications:

- Rigid Permanent and Temporary Outdoor Signage
- Rigid Work Zone Devices
- Safety Devices that require Superior Retroreflective Performance

Product Availability*:

<i>Traffic Products</i>		
T-11500	White	
T-11501	Yellow	
T-11505	Blue	
T-11507	Green	
T-11508	Red	
T-11511	Fluorescent Yellow	
T-11513	Fluorescent Yellow-Green	
<i>Work Zone Products**</i>		
W-11514	Fluorescent Orange	
W-11142	Orange	4" Left
W-11143		4" Right
W-11144	Pre-Striped	6" Left
W-11145		6" Right

*See Page 5 for Nomenclature

**3 Year Durability

Product Data Sheet

Page 1 of 7
Reflective Solutions
7542 North Natchez Ave.
Niles, IL 60714



www.reflectives.averydennison.com

Avery Dennison® OmniCube™ T-11000 & W-11000 Series

Full Cube Microprismatic Retroreflective Film

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Retroreflectivity:

Table A:

Min. coefficients of retroreflection (R_A)¹ per ASTM D4956² Type XI

Observation Angle	Color	Entrance Angle	
		- 4°	+ 30°
0.1° ³	White	830	325
	Yellow	620	245
	Blue	37	15
	Green	83	33
	Red	125	50
	Fluorescent Yellow	500	200
	Fluorescent Yellow-Green	660	260
	Fluorescent Orange	250	100
0.2°	White	580	220
	Yellow	435	165
	Blue	26	10
	Green	58	22
	Red	87	33
	Fluorescent Yellow	350	130
	Fluorescent Yellow-Green	460	180
	Fluorescent Orange	175	66
0.5°	White	420	150
	Yellow	315	110
	Blue	19	7.0
	Green	42	15
	Red	63	23
	Fluorescent Yellow	250	90
	Fluorescent Yellow-Green	340	120
	Fluorescent Orange	125	45
1.0°	White	120	45
	Yellow	90	34
	Blue	5.0	2.0
	Green	12	5.0
	Red	18	7.0
	Fluorescent Yellow	72	27
	Fluorescent Yellow-Green	96	36
	Fluorescent Orange	36	14

OmniCube Series **exceeds** all values listed in **Table A** and **Table B**.

OmniCube Series also **exceeds** the current applicable requirements for the following specifications:

ASTM D4956	International
AASHTO M268	USA
CUAP	EU
GB/T 18833	China
N-CMT-5-03-001	Mexico
UNE 135340	Spain
NF XP98520	France
BSI 8408	UK
UNI 11122	Italy
JIS Z9117	Japan
SANS 1519-1	South Africa
AS/NZS 1906.1	Australia New Zealand
ABNT NBR 14644	Brazil
IRAM 3952	Argentina

Avery Dennison suggests you obtain the current requirements from your local agency and ensure product conformance with such requirements. Your Avery Dennison Representative can assist you in this regard.

¹ R_A =
candelas per foot-candle per
square foot (cd/ft²) OR
Candelas per lux per square meter
(cd/lx/m²)

² Measured according to ASTM E810

³ Note that 0.1° Observation angle is a "supplemental Requirement" in ASTM D4956. It represents long highway viewing distances of about 900 ft (275 Meters) and greater.

Avery Dennison® OmniCube™ T-11000 & W-11000 Series

Full Cube Microprismatic Retroreflective Film

Issued: July 2013

Colors and Specification Limits:

Figure A: Daytime Color – CIE Color Diagram

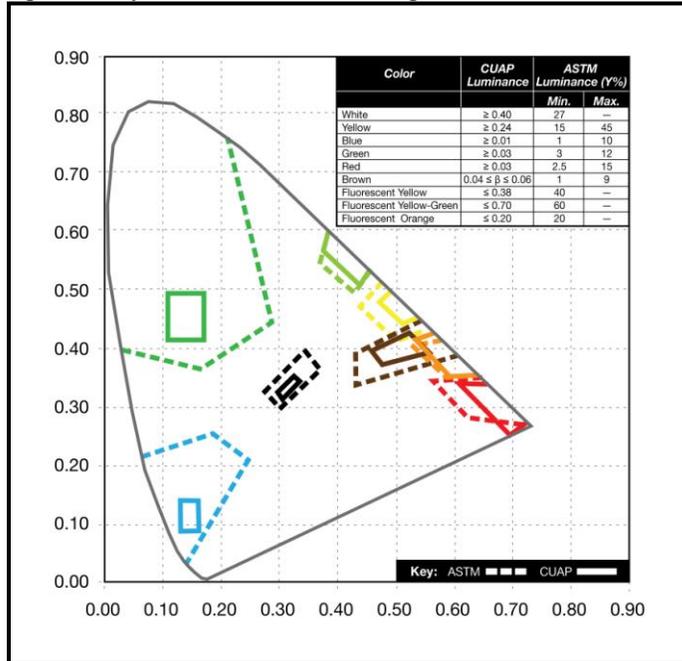
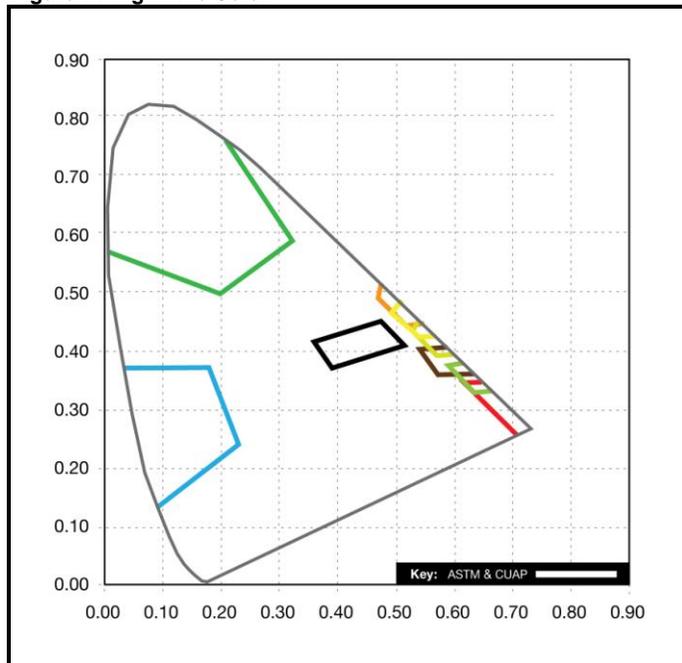


Figure B: Nighttime Color



OmniCube Series **meets** the current applicable daytime and nighttime color requirements for ASTM D4956 and CUAP as well as standards listed on Page 2.

Chromaticity Coordinate Limits

Figures A & B show the four pairs of chromaticity coordinates from ASTM D4956 and CUAP on the color grid.

Daytime Color

The four pairs of chromaticity coordinates in **Figure A** determine the acceptable color in terms of the CIE 1931 Standard Colorimetric System measured with Standard Illuminant D65 and CIE Publication no. 15 using CIE Standard Illuminant D65 and CIE 45/0 geometry. Luminance factor shall comply with table in **Figure A**.

Note: The saturation limit of green and blue may extend to the border of the CIE chromaticity locus for spectral colors

Nighttime Color

The four pairs of chromaticity coordinates in **Figure B** determine the acceptable color measured using CIE Illuminant A, observation angle of 0.33 degrees, entrance angle of +5 degrees, source and receiver apertures not to exceed 10 minutes of arc, and CIE 1930 (2 degree) standard observer per ASTM D4956.

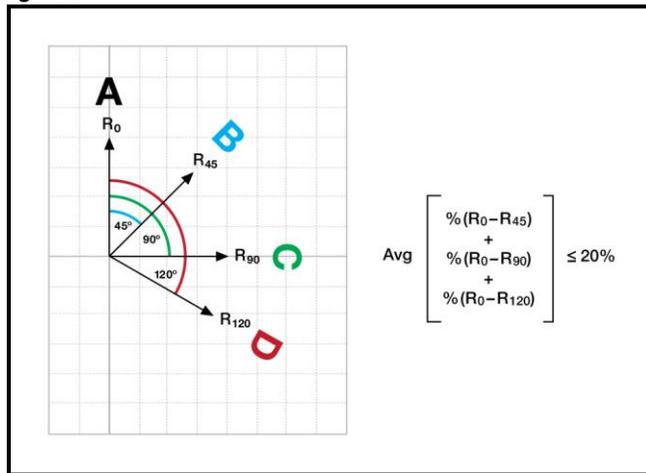
Avery Dennison® OmniCube™ T-11000 & W-11000 Series Full Cube Microprismatic Retroreflective Film

Issued: July 2013

Sheeting Orientation:

The American Association of State Highway Transportation Officials (AASHTO) has recognized that some retroreflective films are rotationally (orientation) sensitive. Because this impacts sign luminance, AASHTO has defined a specification to measure orientation performance. **Figure C** shows how the orientation sensitivity is measured. In order for a film to be considered rotationally insensitive, the average percent difference (shown in **Figure C**) must be less than or equal to 20%.

Figure C



When measured for orientation sensitivity as described in AASHTO M 268-10, all Avery Dennison sheeting, both beaded and prismatic, **pass** the specification as **rotationally insensitive**. Therefore, no special identification marks or other features (such as a datum mark, or distinctive seal pattern) are required to denote optimum orientation for sheeting. Because the user can expect visual uniformity regardless of orientation, no costly and cumbersome fabrication techniques are required to orient sheets, cut sign legend or border tape during sign fabrication.

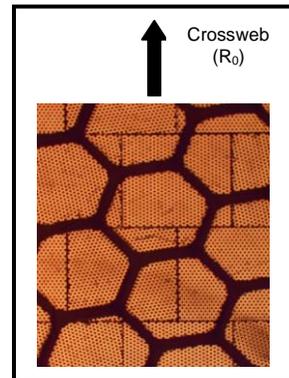
Specifying agencies and sign fabricators are cautioned that some retroreflective sheetings, even of the same ASTM "Type" may not provide consistent luminance for desired night visibility if the sheeting is not applied in the optimal, or in uniform orientation. Agencies and fabricators should be aware of this concern and discuss the potential effects of rotation on luminance of specific sheetings with their material supplier before beginning installation and/or fabrication.

OmniCube Series is Omni-Directional and **passes** the AASHTO specification as being **rotationally insensitive**.

Retroreflectivity R_A values taken per ASTM E810
0.5° Observation angle and
-4° or 5° Entrance angle

As a datum for laboratory measurements R_0 is identified in the crossweb direction. See **Figure D**.

Figure D



Watermark: OmniCube contains the watermark seen in **Figure E**.

Figure E

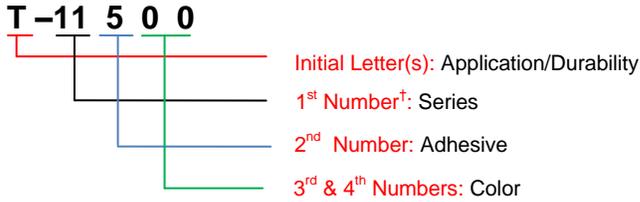


Avery Dennison® OmniCube™ T-11000 & W-11000 Series

Full Cube Microprismatic Retroreflective Film

Issued: July 2013

Nomenclature:



Initial Letter	Application	Durability*
T**	Traffic/Permanent Sheeting	12 year
W	Work Zone Sheeting	3 year
WR	Work Zone Reboundable	3 year

* See your local representative for complete details.

**Fluorescent Yellow & Fluorescent Yellow-Green durability is 10 year

Series	11000
--------	-------

2 nd Number	Substrate
1	Pressure Sensitive for Plastic Substrates
2	Pressure Sensitive for Wood Substrates
5	Pressure Sensitive for Aluminum Substrates

3 rd & 4 th Numbers	Color
00	White
01	Yellow
04	Orange
05	Blue
07	Green
08	Red
09	Brown
11	Fluorescent Yellow
13	Fluorescent Yellow-Green
14	Fluorescent Orange
42	4" LEFT Orange Pre-Striped Barricade
43	4" RIGHT Orange Pre-Striped Barricade
44	6" LEFT Orange Pre-Striped Barricade
45	6" RIGHT Orange Pre-Striped Barricade

†OmniCube is the exception and leads with the number 11

The following Warranty is limited to North America.

WARRANTY

Avery Dennison OmniCube™ T-11000 & W-11000 microprismatic reflective sheeting ("Product(s)") are warranted to be free from defects in material and workmanship for one (1) year from date of purchase (or the period stated on the specific product information literature in effect at time of delivery, if longer). It is expressly agreed and understood that Avery Dennison's sole obligation and Purchaser's exclusive remedy under this warranty, under any other warranty, express or implied, or otherwise, shall be limited to repair or replacement of defective Product without charge at Avery Dennison's plant or at the location of Product (at Avery Dennison's election), or in the event replacement or repairs is not commercially practical, to Avery Dennison's issuing Purchaser a credit reasonable in light of the defect in the Product.

CONDITIONS:

This warranty shall be effective only if all of the following conditions are met:

Fabrication and/or installation must occur within one (1) year from the date of purchase.

The failure must have resulted solely from a manufacturing defect or deterioration of the Product due to natural causes under the Performance Warranty. Without limiting the generality of the foregoing, there is no warranty for the failure of the sheeting due to improper sign fabrication, storage, handling, installation, maintenance, failure of the sign substrate, vandalism or mischief. Slight color fading, cracking, chalking, edge lifting, or slight reduction in gloss or reflectivity will not materially detract from appearance and does not constitute a breach of warranty.

Avery Dennison has published instructional bulletins pertaining to the storage, handling, and cleaning of Product, approved substrates, and application procedures (collectively, the "Procedures"). The Product must have been processed and applied to blank, clean material in accordance with the Procedures, as such may be amended from time to time. Avery Dennison reserves the right to reject any warranty claim where the fabricator or installer cannot satisfactorily prove or demonstrate that the Avery Dennison procedures were utilized. The date of installation, warranty registration, and claim procedures established by Avery Dennison must be followed, and failure to follow such procedures shall void this warranty. Replacement Product carries only the unexpired warranty portion of the Product it replaces. The Product must be properly stored and applied within the shelf-life as stated in the applicable Avery Dennison Product Data Sheet including adhesive and other material product data



Avery Dennison® OmniCube™ T-11000 & W-11000 Series

Full Cube Microprismatic Retroreflective Film

Issued: July 2013

Characteristics:

<i>Property</i>	<i>Value</i>	<i>Instructional Bulletins</i>
Shelf-Life	1 year from date of purchase when stored at the following conditions; 65°-75°F (18°-24°C) and 50% ± 5% R.H.	#8.00
Typical film Caliper	16 – 20 mils (406 – 508µm)	NA
Min. Application Temperature	50° F (10° C)	#8.10
Service Temperature	-10°F to +150°F (-23°C to + 65°C)	#8.00
Screen Printing	Long term durability of screen printing in combination with OmniCube Series is warranted when used with approved inks and overlays. See Page 7.	#8.30 #8.55
Eco Solvent Inkjet Printing	Long term durability of inkjet printing in combination with OmniCube Series is warranted when used with approved inks and printer systems. See Page 7.	#8.61
Thermal Transfer Printing	Long term durability of thermal transfer printing in combination with OmniCube Series is warranted when used with approved ribbons and printer systems. See Page 7.	#8.60

ADDITIONAL LIMITATIONS

Unintended Use: This warranty only applies to Product that is used by professional converters and installers for the defined end uses and in the combinations described in the applicable Avery Dennison Product Data Sheets and Instructional Bulletins. For any other use, the user is responsible for determining the suitability of the Product, and for any and all risk or liability associated with that use or application, and the user agrees to indemnify, defend and hold harmless Avery Dennison for any claims, losses, damages, judgments, expenses and/or expenses, including attorneys fees, resulting from such use or application. This warranty is expressly conditioned on the Product being processed by professional converters or installers in accordance with the Avery Dennison recommended written processing instructions, and being applied to properly prepared surfaces and cleaned and maintained in accordance with recommended Avery Dennison procedures. It is the converters, installers or other users responsibility to perform incoming raw material quality inspections, to assure proper surface preparation and that approved application procedures are followed, to retain converted samples, and to immediately cease using and notify Avery Dennison and/or its authorized agent or distributor of any Product, Materials and/or finished Product discovered to be (or reasonably capable of being discovered to be) defective.

Misuse and Force Majeure: Avery Dennison has no obligations or liability under this warranty with respect to Product that has been altered, modified, damaged, misused, abused, subject to accident, neglected or otherwise mishandled or improperly processed or installed. Product is not warranted against premature failure caused by chemical, environmental or mechanical means such as, but not limited to, vandalism, cleaning solutions, paints, solvents, moisture, temperature, mechanical washing equipment, engine fuel spills, engine exhaust, steam, organic solvents or other spilled chemicals pollutants, including industrial and volcanic ash. Damage from fire, structural failure, lightning, accidents, and other force majeure events are not covered by this warranty.

Third Party Product: Avery Dennison assumes no responsibility for any injury, loss or damage arising out of the use of a product that is not of our manufacture. Where installer or converter uses or reference is made to a commercially available product, made by another manufacturer, it shall be the responsibility of the user, installer or converter to ascertain the precautionary measures for its use outlined by the manufacturer.

The remedies provided under this warranty are exclusive. In no event shall Avery Dennison be responsible for any direct, indirect, incidental or consequential damages or specific relief whether foreseeable or not, caused by defects in such Product, whether such damage occurs or is discovered before or after replacement or credit, and whether or not such damage is caused by Avery Dennison's negligence. In no event shall Avery Dennison's liability hereunder exceed the remedies specifically set forth in this warranty. Avery Dennison's liability shall be limited, at Avery Dennison's option, to the purchase price, replacement of the defective Product and in some cases when authorized by Avery Dennison the repair and replacement of the defective Product.

THIS WARRANTY IS GIVEN IN LIEU OF ALL OTHERS. ANY AND ALL OTHER WARRANTIES, WHETHER EXPRESS OR IMPLIED, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY DISCLAIMED. NO WAIVER, ALTERATION, ADDITION OR MODIFICATION OF THE FOREGOING CONDITIONS SHALL BE VALID UNLESS MADE IN WRITING AND MANUALLY SIGNED BY AN OFFICER OF AVERY DENNISON.

Avery Dennison® OmniCube™ T-11000 & W-11000 Series

Full Cube Microprismatic Retroreflective Film

Issued: July 2013

Converting Information:

The following Avery Dennison literature will provide information to the user for proper application, storage, and other requirements. Find the latest information on the Avery Dennison website, www.reflectives.averydennison.com. We encourage you to check our website periodically for updates.

Approved Screen Printing Inks, Overlays, and Printing Systems:

Supplier	Series	System	Instructional Bulletins
Avery Dennison	4930 Inks	1 Part Solvent	#8.40
Avery Dennison	UVTS Nazdar	UV	#8.38
Avery Dennison	OL-2000	Acrylic Overlay	#8.01, #8.10, #8.25
Avery Dennison	OL-1000	Anti-Graffiti	#8.01, #8.10
Matan	DTS	Thermal Transfer	#8.60
Avery Dennison	TrafficJet™ 1638 - 8 Color	Eco Solvent Inkjet*	#8.61

* Warranted for black ink on 3 year durable work zone applications. Clear overlay not required.

Instructional Bulletins:

Film Care & Handling	#8.00
Substrate Requirements	#8.01
Application Techniques for PS Film	#8.10
Cutting Methods	#8.20
Computer Sign Cutting	#8.25
Screen Preparation	#8.30
Troubleshooting Printing & Processing	#8.34
Ink Recommendations Guide	#8.55

Substrates:

The application of Avery Dennison OmniCube Series sheeting is limited to properly prepared substrates which differ by product. For traffic products, application is limited to properly prepared Aluminum. For products in the W-11100 line, application is limited to properly prepared plastic. Users are urged to carefully evaluate, under actual use conditions, any film application to other substrates. Failure of film caused by other substrates, materials, contamination, or improper surface preparation is not the responsibility of Avery Dennison. See Instruction Bulletin #8.01 for full details on substrate requirements.

DEFINITIONS

Durability: means that the Product in a finished graphic, panel or sign situated outdoors, subject to the limitations herein and Avery Dennison Product Data Sheets and Instructional Bulletins, and applied to recommended surfaces, will not deteriorate excessively such that the finished sign, panel or graphic is ineffective for its identification when viewed under normal conditions from the intended viewing distance.

Outdoor Durability: is based on normal middle European and central North American outdoor exposure conditions and application to recommended surfaces. Actual performance life will depend on a variety of factors, including but not limited to substrate preparation, exposure conditions and maintenance of the Product and finished graphic, panel or sign. In case the finished graphics, panel or sign is in areas of high temperatures or humidity, in industrially polluted areas or other areas with air laden particulate matter, and/or in high altitudes, Outdoor Durability may be reduced. Please see your local Avery Dennison representative for changes to warranties based on such localized conditions.

Vertical Exposure: means that the face of the finished graphic is $\pm 10^\circ$ from vertical.

Non-Vertical Exposure: means that the face of the finished graphic is greater than 10° from vertical and greater than 5° from horizontal. Retroreflective films are not warranted for this exposure.

Flat surfaces: means a two dimensional flat surface without protruding objects.

Weathering Effects: Some degradation of Product performance over time is considered normal wear. Slight color fading, chalking, edge lifting, or slight reduction in gloss or reflectivity due to normal wear exposure and other natural weathering, environmental or other conditions or damage caused by tornadoes, hurricanes, wind, excessive ice buildup or extraordinary frozen particulate conditions, large hail stones or other acts of God, do not constitute a breach of warranty or give rise to any liability by Avery Dennison.

Printing, Curing and Ink Defects: Ink contaminations, failures or other defects, or other failures due to improper printing conditions or settings including, but not limited to, unsuitable color calibration, incorrect ICC color profile or incompatible printing, do not constitute a breach of warranty. Product failure caused by ink over-saturation, excessive or under curing, failure of ink to render desired colors on Product, or other treatment or processing errors are not warranted.

Adhesion to Application Surfaces: This warranty does not cover the Product if the application surface is not properly prepared; nor does the warranty cover the Product or damage to the substrate because the layers of the substrate separate due to a lower bond between those layers than the bond between the Product and the top layer of the substrate, or surfaces which subsequently crack, peel, outgas, or become damaged beneath the Product

INDEPENDENT TESTING REQUIRED

All statements, technical information and recommendations about Avery Dennison products are based upon tests and information believed to be reliable but do not constitute a guarantee or warranty of any kind. All Avery Dennison products are sold with the understanding that Purchaser has independently determined the suitability of such products for its intended and other purposes.

Avery Dennison, OmniCube, and the logo are registered trademarks or tradenames of Avery Dennison Corp. © 2011 All Rights Reserved.

US Patent RE 40,700E US Patent RE 40,455E



CERTIFICATION AND SIGNATURE PAGE

By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; understand the requirements, terms and conditions, and other information contained herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

Rocal, Inc.
(Company)

Alan Christopher Alan Christopher, Sales Manager
(Authorized Signature) (Representative Name, Title)

740-998-2122 / 740-998-2073 / 1-19-15
(Phone Number) (Fax Number) (Date)

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CRFQ DOT150000023

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received: n/a
(Check the box next to each addendum received)

- | | |
|---|--|
| <input type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

Rocal, Inc.
Company

Alan Christoph
Authorized Signature

January 19, 2015
Date

NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing.

REQUEST FOR QUOTATION
Demountable Copy

-
- 8.3 Reports:** Vendor shall provide quarterly reports and annual summaries to the Agency showing the Agency's items purchased, quantities of items purchased, and total dollar value of the items purchased. Vendor shall also provide reports, upon request, showing the items purchased during the term of this Contract, the quantity purchased for each of those items, and the total value of purchases for each of those items. Failure to supply such reports may be grounds for cancellation of this Contract.
- 8.4 Contract Manager:** During its performance of this Contract, Vendor must designate and maintain a primary contract manager responsible for overseeing Vendor's responsibilities under this Contract. The Contract manager must be available during normal business hours to address any customer service or other issues related to this Contract. Vendor should list its Contract manager and his or her contact information below.

Contract Manager: Alan Christopher
Telephone Number: 740-998-2122
Fax Number: 740-998-2073
Email Address: achristopher@rocal.com

VENDOR PREFERENCE CERTIFICATE

Certification and application* is hereby made for Preference in accordance with West Virginia Code, §5A-3-37. (Does not apply to construction contracts). West Virginia Code, §5A-3-37, provides an opportunity for qualifying vendors to request (at the time of bid) preference for their residency status. Such preference is an evaluation method only and will be applied only to the cost bid in accordance with the West Virginia Code. This certificate for application is to be used to request such preference. The Purchasing Division will make the determination of the Vendor Preference, if applicable.

- 1. Application is made for 2.5% vendor preference for the reason checked: Bidder is an individual resident vendor and has resided continuously in West Virginia for four (4) years immediately preceding the date of this certification; or, Bidder is a partnership, association or corporation resident vendor and has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or 80% of the ownership interest of Bidder is held by another individual, partnership, association or corporation resident vendor who has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or, Bidder is a nonresident vendor which has an affiliate or subsidiary which employs a minimum of one hundred state residents and which has maintained its headquarters or principal place of business within West Virginia continuously for the four (4) years immediately preceding the date of this certification; or,
2. Application is made for 2.5% vendor preference for the reason checked: Bidder is a resident vendor who certifies that, during the life of the contract, on average at least 75% of the employees working on the project being bid are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,
3. Application is made for 2.5% vendor preference for the reason checked: Bidder is a nonresident vendor employing a minimum of one hundred state residents or is a nonresident vendor with an affiliate or subsidiary which maintains its headquarters or principal place of business within West Virginia employing a minimum of one hundred state residents who certifies that, during the life of the contract, on average at least 75% of the employees or Bidder's affiliate's or subsidiary's employees are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,
4. Application is made for 5% vendor preference for the reason checked: Bidder meets either the requirement of both subdivisions (1) and (2) or subdivision (1) and (3) as stated above; or,
5. Application is made for 3.5% vendor preference who is a veteran for the reason checked: Bidder is an individual resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard and has resided in West Virginia continuously for the four years immediately preceding the date on which the bid is submitted; or,
6. Application is made for 3.5% vendor preference who is a veteran for the reason checked: Bidder is a resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard, if, for purposes of producing or distributing the commodities or completing the project which is the subject of the vendor's bid and continuously over the entire term of the project, on average at least seventy-five percent of the vendor's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years.
7. Application is made for preference as a non-resident small, women- and minority-owned business, in accordance with West Virginia Code §5A-3-59 and West Virginia Code of State Rules. Bidder has been or expects to be approved prior to contract award by the Purchasing Division as a certified small, women- and minority-owned business.

Bidder understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the requirements for such preference, the Secretary may order the Director of Purchasing to: (a) reject the bid; or (b) assess a penalty against such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency or deducted from any unpaid balance on the contract or purchase order.

By submission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and authorizes the Department of Revenue to disclose to the Director of Purchasing appropriate information verifying that Bidder has paid the required business taxes, provided that such information does not contain the amounts of taxes paid nor any other information deemed by the Tax Commissioner to be confidential.

Under penalty of law for false swearing (West Virginia Code, §61-5-3), Bidder hereby certifies that this certificate is true and accurate in all respects; and that if a contract is issued to Bidder and if anything contained within this certificate changes during the term of the contract, Bidder will notify the Purchasing Division in writing immediately.

Bidder: Rocal, Inc.

Signed: [Signature]

Date: January 19, 2015

Title: Sales Manager

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

MANDATE: Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

EXCEPTION: The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Employer default" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

"Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: Rocal, Inc.

Authorized Signature: [Signature] Date: 1-19-15

State of Ohio

County of Ross, to-wit:

Taken, subscribed, and sworn to before me this 19 day of January, 2015.

My Commission expires April 7, 2015.

AFFIX SEAL HERE

NOTARY PUBLIC [Signature]

Purchasing Affidavit (Revised 07/01/2012)



KIMBERLY S. GRAGG
Notary Public
State of Ohio
My Commission Expires
April 7, 2015

NOTE:
Vendor and Notary's date must be the same.
Notary required to AFFIX SEAL on Purchasing Affidavit.