

*Specialists in
Safety
Identification
Products*

TRAILER CONSPICUITY

Final Ruling of the NHTSA

Effective December 1, 1993

THOSE AFFECTED

All Trailers (except dwellings and offices), including garbage haulers, auto transporters, container chassis, side loading beverage trailers with 10,000 lb. GVWR and 80" wide and over.

MATERIALS

Retroreflective Sheetings

Color White

- Alternating Red/White
- Each Color in section
12 inches +/- 6 inches
- One color not to exceed 2/3 of total segment

DOT-C2	2" (5mm) (Two 1" strips separated by 1" allowed)
DOT-C3	3" (75mm)
DOT-C4	4" (100mm)

Specification ASTM D49656-90 Type V (except photometric values listed.)

LOCATION

Side:

Red/White - 4 feet (1.25m) above road surface or as close as practicable.

Can be discontinuous (broken, but must cover 50% of side and evenly distributed).

Red must be 3" (75mm) from any required amber lamp.

Rear:

Red/White full width, 4 feet (1.25m) above road surface.

2 pairs of white sheeting 12" (300mm) long to mark upper corners.

Red/White full width on horizontal underride protection device.

White sheeting must be 3" (75mm) from any required red lamp.

Harris West

5181 Argosy Avenue
Huntington Beach, CA 92649

Phone:
(714) 898-8048
(800) 222-6866

Fax:
(714) 898-7108
(800) 228-1274

Harris East

181 Conant Drive
Pawtucket, RI 02860

Phone:
(401) 727-3160
(800) 443-2821

Fax:
(401) 727-3162

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MATERIALS

Reflect Reflectors

DOT-C

Specification SAEJ594F (except photometric values listed below)

**Minimum Milli-Candelas
Per Incident Lux for Reflex Reflector**

	Observation Angel (deg.)	Entrance Angle		
		0 deg.	30 deg. Right	30 deg. Left
Red	0.2	310	310	310
White	0.2	1290	1290	1290

**Photometric Requirements for
Conspicuity Sheeting**

	Entrance Angle	Observation Angle			
		0.2 Degree		0.5 Degree	
		White Min.	Red Min.	White Min.	Red Min.
DOT-C2	-4 Degree	250	60	65	10
	30 Degree	250	60	65	10
DOT-C3	-4 Degree	165	40	43	10
	30 Degree	165	40	43	10
DOT-C4	-4 Degree	125	30	33	8
	30 Degree	125	30	33	8

**Stimsonite Metallized High-Performance
Retroreflective Sheeting**
"Typical" Retroreflectivity Values

Entrance Angle	Observation Angle			
	0.2 Degree		0.5 Degree	
	White Min.	Red Min.	White Min.	Red Min.
-4 Degree	900	160	230	40
30 Degree	600	100	120	20

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