



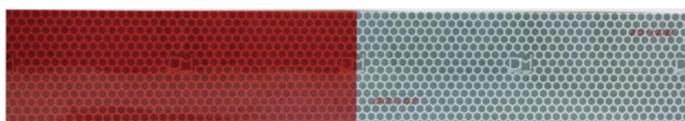
Conspicuity Marking Tape

Series DM9300

DM DOT-C2 Approved Conspicuity Markings Tape Series DM9320 & DM9360 are highly Retroreflective Microprismatic marking tapes designed for application to the rugged outdoor use on the sides and rear of trucks, trailers for enhanced visibility and detection. The reflective marking tape consists of prismatic lenses that are formed in a transparent, synthetic resin and backed with a pressure sensitive adhesive and clear release liner.

Film Logo Pattern

DM9320 6" * 6"



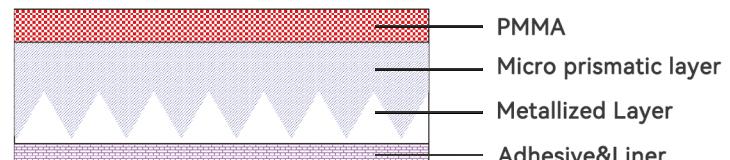
DM9360 7" * 11"



Properties: DM9300 series conspicuity marking tape only has a metallized layer and no edge sealing required. It has high visibility at night with excellent retroreflectivity. The PMMA overlay provides the tape a durability of more than 7 years.

Application: DM9300 series conspicuity marking tape meets the requirements of FMVSS108 and got DOT-C2 Certification Mark. It can be applied to trucks, trailers, other heavy and long vehicles etc.

Structure



Retroreflectivity

DM9300 Conspicuity Marking Tape Series exceeds the requirements of FMVSS108. The required minimum retroreflection is shown in table 1 and table 2 below:

Coefficient of Retroreflection (cd/lx/m²)

Table 1- Specific coefficient of retroreflection(cd/lx/m ²)						
Observation angle	-4°		30°		45°	
Entrance angle	0.2°	0.5°	0.2°	0.5°	0.2°	0.5°
White	250	65	250	65	60	15
Red	60	15	60	15	15	4

Table 1

Daytime colour specification and Luminance

Colour	Table 2- Chromaticity coordinates (DIN6171:2003-08)								Luminance Factor β
	1		2		3		4		
	x	y	x	y	x	y	x	y	
White	0.350	0.300	0.300	0.310	0.290	0.320	0.340	0.370	Min:0.15 Min:/
Red	0.690	0.310	0.595	0.315	0.569	0.341	0.658	0.342	Min:0.03 Min:0.15

Table 2

Adhesive

The adhesive is protected by a release paper, which shall be removed by peeling, without soaking in water or other solvents. A 25 mm strip shall provide a bond such that it shall support a 800 g weight for 5 minutes without the strip peeling for a distance of more than 50 mm when applied to a smooth aluminium surface as specified in the standard adhesion test.

Application Instructions

Material must be applied when the air and surface temperature is between 15° C and 38° C to assure proper adhesive bonding. Surfaces must be cleaned for all grease, oil and dirt. Use a clean towel and isopropyl alcohol or similar to wipe the surface before application. If any air bubbles are trapped, use a pin to puncture the bubble and squeegee to push the air towards the pin hole. Please contact DM sales team for complete application instructions.

Maintenance and Cleaning

Hand wash with sponge, cloth, or soft brush using warm water and detergent. The cleaner must be wet, non-abrasive, without strong solvents and have a pH value between 3 and 11 (neither strongly acidic nor strongly alkaline). Rinse thoroughly.

To remove grease, oil, or tar, use cloth moistened with heptane, VM&P naptha or mineral spirits. Wash with detergent and water then rinse thoroughly.

Using high pressure cleaning equipment, the following conditions should be applied:

- Maximum pressure 80 bar
- Maximum temperature 60°C
- Minimum of 1 metre distance of cleaning jet from sheeting surface
- Cleaning wand to be held at no greater angle than 15 degree from perpendicular to the sheeting surface
- Wide spray pattern

Storage and Shelf Life

The combined shelf life as processed and unprocessed marking tapes cannot exceed 2 years from the date of receipt from DM. However, the tapes must be used within 1 year of processing even if the combined shelf life is less than 2 years.

Store the tape in a clean, dry area and away from direct sunlight.