

DM9600 ECE104 Conspicuity Marking Tape

Description

DM9600 conspicuity marking tape is a tough weather resistant product designed for rugged outdoor use. The material is intended for application as conspicuity marking on trucks and trailers.

Product Construction

DM9600 conspicuity marking tape is composed of cube corner (microprism) retroreflective elements integrally bonded to a flexible, smooth-surfaced tough and weather resistant UV stabilized polymeric film. The prism surfaces are coated with a vacuum deposition of aluminium to provide a mirror surface to the prism facets. The resulting material is not more than 0,20 mm thick, and comes with an aggressive high-tack pressure sensitive adhesive. The product is single layer, with no need for edge sealing.

Product Approved

DM9600 conspicuity marking tape is approved to Regulation ECE 104 Class C, the approve number as below:

White: **104R-001051**, Yellow: **104R-001052**, Red: **104R-001053**

Product recommended

| Series. | Colour & Item no. | | Typical uses & Suitable surface |
|-----------|-------------------|------------------|---|
| Rigid | White | DM9610 Rigid | Continuous rigid tape Suitable for flat, rigid surfaces |
| | Yellow | DM9620 Rigid | |
| | Red | DM9630 Rigid | |
| Curtain | White | DM9610 Curtain | Continuous flexible tape Suitable for truck canvas and curtain sides |
| | Yellow | DM9620 Curtain | |
| | Red | DM9630 Curtain | |
| Tanker | White | DM9610 Tanker | Segmented tape 50mm*160mm/piece Suitable for tanker surface |
| | Yellow | DM9620 Tanker | |
| | Red | DM9630 Tanker | |
| Segmented | White | DM9610 Segmented | Flexible, segmented tape 50mm*50mm/piece Suitable for truck canvas and curtain sides |
| | Yellow | DM9620 Segmented | |
| | Red | DM9630 Segmented | |



Retroreflection

DM9600 conspicuity marking tape complies with the minimum reflectivity requirements of Regulation ECE 104 Class C. When illuminated with CIE standard illuminant A and measured with the provisions of CIE No. 54, the coefficient of retroreflection for DM9600 conspicuity marking tape shall be not less than the values in Table as below:

| Observation Angle | Entrance Angle (β) | | | | |
|-------------------|----------------------------|-----|-----|-----|-----|
| | Beta 1 (β_1) | 0° | 0° | 0° | 0° |
| 20' (0.33°) | Beta 2 (β_2) | 5° | 30° | 40° | 60° |
| White | R' | 450 | 200 | 90 | 16 |
| Yellow | R' | 300 | 130 | 65 | 10 |
| Red | R' | 120 | 60 | 30 | 10 |

Colour

DM9600 conspicuity marking tape is available in yellow, white and red. The colours conform to the requirements of Regulation ECE 104.

Adhesive

The adhesive is protected by a release liner, 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 naphtha 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.

Important Notice to Purchaser

The DM products described in this publication are covered by a DM warranty and limitation of liability. DM's warranty provides that if DM finds that goods are defective in material or workmanship they will be replaced or the price refunded at DM's option but note that DM does not accept liability for other direct losses (except for personal injury or death) or consequential losses relating to defective products or from information supplied by DM.

Purchasers and users of DM products, and not DM supplying companies, are always solely responsible for deciding on the suitability of the DM product for their required or intended use.

For help on specific questions relating to DM Products, contact DM sales team for support.

