

SWARCO VISA-LINE / FOL PAVEMENT MARKING TAPE

TEMPORARY ENGINEER AND CONSTRUCTION GRADE SPECIFICATIONS

ASTM D-4592 Type II



SCOPE

This specification covers a self-adhesive temporary pavement marking tape designed to provide reflective delineation to roads during asphalt overlay or new road construction.

PRODUCT DESCRIPTION

The white and yellow pavement marking tape shall consist of high-quality optical glass spheres embedded into weather and traffic-resistant binder on a conformable metallic backing, precoated with a pressure-sensitive adhesive.

PRODUCT FEATURES

- Highly Reflective
- Easy to Install
- Ready for Traffic Immediately
- Highly Conformable to Most Roadway Substrates

PHYSICAL PROPERTIES

- **COLOR:** Reflective White and Yellow, Non-Reflective Black colors shall conform to ASTM D-6628 Standard Specification for Color of Pavement Marking Materials.
- **REFLECTIVITY:** The marking tape shall be retroreflective, reflecting white or yellow, and shall be readily visible when viewed with automobile headlights at night and shall have minimum reflective values as shown in Table 1 when measured in accordance with the photometric testing procedures of ASTM Test Method E 1710. Reflective values shall be expressed as a coefficient of retroreflected luminance (RI) in millicandelas per square meter per lux.

Table 1
Reflective Values for Dry Samples (mcd m⁻²) lx⁻¹
Millicandelas per square meter per lux

Entrance Angle	Observation Angle	Reflective Value (RL)			
		Engineer Grade / 300 Series		Construction Grade / 200 Series	
		White	Yellow	White	Yellow
88.76°	1.05°	600	400	500	300

(ILDOT Spec Requirement / Minimum Reflectivity shall be 700 mcd on White and 500 mcd on Yellow)

- **THICKNESS:** Thickness of Engineer grade tape shall be 20-25 mils and Construction grade tape 12-20 mils.
- **ADHESIVE:** The precoated pressure-sensitive adhesive shall not require a protective liner or activation procedures.
- **APPLICATION:** The material shall adhere to a clean, dry surface when applied in accordance with the manufacturer's recommendations. Surface temperature should not be under 35 degrees F. See Application Instructions.
- **CONFORMABILITY:** The pavement marking tape shall be thin, flexible, and readily conform to the texture of the pavement surface.
- **SHELF-LIFE:** Storage period of 24 from date of manufacture. Packaging shall be in accordance with acceptable commercial standards, in a cool, dry area.
- **GENERAL:** The pavement marking tape shall be of good appearance, free from cracks, with true straight edges, and unbroken. There shall be no more than 3 splices per 50-yard length. It should be stored in a clean, dry area at temperatures not exceeding 100 degrees F.

The following is made in lieu of all warranties, expressed or implied: Seller's and manufacturer's only obligation shall be to replace such quantity of the product proven to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential, arising from the use, or the inability to use the product. Before using, user shall determine the suitability of the product for his intended use, and user assumes all risk and liability, whatsoever, in connection therewith. The foregoing may not be changed except by written agreement signed by an officer of the manufacturer.

All statements, technical information and recommendations contained herein are based on tests we believe to be reliable, but the accuracy and completeness thereof is not guaranteed. Data is subject to alteration due to technical advances.

Above information not to be taken as a warranty or representation for which we assume legal responsibility. It is offered solely for consideration, investigation and verification.

If you have any questions about proper application techniques or other technical support issues, please contact your SWARCO sales or customer service representative.

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