

# DIRECTOR 2-WET REFLECTIVE (D2-WR)

## TEMPORARY REMOVABLE PAVEMENT MARKINGS



### PRODUCT DESCRIPTION

D2-WR removable preformed polymer marking tape is a highly reflective and durable pavement marking material designed for use in construction/detour zones which require temporary markings that can be removed when they are no longer needed.

D2-WR is supplied with an integral pressure sensitive adhesive backing in a variety of roll widths and standard MUTCD precut legends and symbols which are designed to be applied on bituminous and Portland cement concrete road surfaces. Immediately after applying these markings, the roadway can be opened to traffic.

### PRODUCT COMPOSITION

D2-WR Removable Pavement Marking Tape and Symbols result from a blend of polymeric compounds with glass spheres distributed throughout the film and a layer of beads bonded to the top surface. These compounds are pigmented in white or yellow and bonded to a non-metallic reinforced backing. A pressure sensitive adhesive is applied to the reverse side of the film so that it will adhere to bituminous and Portland cement concrete surfaces and can later be removed.

### PHYSICAL PROPERTIES

#### ▪ **Applicability to pavement surfaces**

Proper surface preparation is essential to obtaining consistent adhesion of the removable tape. The surface must be free of loose or caked dirt, gravel, oily residues, road salt residues or other foreign materials which inhibit proper adhesion. The air temperature must be above 60°F. and rising, and the surface temperature 70°F. and rising and the surface free of moisture for at least 24 hours prior to application. Manufacturer's application instructions define proper application procedures.

#### ▪ **Skid resistance**

D2-WR shall have an initial minimum skid resistance value of 50 BPN when tested according to ASTM E-303.

#### ▪ **Removability**

D2-WR Removable marking films shall be removable from asphalt or concrete surfaces intact or in large pieces at temperatures of 40 degrees F. or above without the use of heat, solvents, grinding or blasting.

- **Reflectance**

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 below when measured in accordance with the photometric testing procedures of ASTM E 1710. Reflective values shall be expressed as the coefficient of retroreflected luminance in millicandelas per square meter per lux.

**Initial Reflective Values for mcd /m<sup>2</sup>/lux**

<b>Entrance Angle</b>	88.76°
<b>Observation Angle</b>	1.05°
<b>Dry Reflective Value (RL) White</b>	700
<b>Dry Reflective Value (RL) Yellow</b>	500
<b>*Wet Reflective Value (RL) White</b>	200
<b>*Wet Reflective Value (RL) Yellow</b>	150

\*Note: Using test method ASTM E2177 under laboratory conditions.

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## STORAGE

Store SWARCO Pavement Marking Tapes indoors in a cool, dry area. Use within one year of receipt.

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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