

**2208 - PATTERNED COLD PLASTIC PAVEMENT MARKING TAPE**

**SECTION 2208**

**PATTERNED COLD PLASTIC PAVEMENT MARKING TAPE**

**2208.1 DESCRIPTION**

This specification covers patterned cold plastic pavement marking material for use on both concrete and asphalt surfaces.

**2208.2 REQUIREMENTS**

Provide preformed pavement markings that comply with ASTM D 4505 with the following exceptions and additions:

Delete all references to application temperatures.

**a. Dimensions.** Provide material with a thickness of not less than 0.02 in. at the thinnest portion of the cross section. Provide material whose thickest portion of the cross section is 0.07 – 0.09 in. All measurements are exclusive of the adhesive.

**b. Retroreflectivity.** Provide patterned pavement markings that comply with the following minimum retroreflectivity requirements in **TABLE 2208-1** using an acceptable 30-meter retroreflectometer:

<b>TABLE 2208-1: PATTERNED COLD PLASTIC RETROREFLECTIVITY REQUIREMENTS</b>	
<b>COLOR</b>	<b>millicandelas/sq m/lux (min.)</b>
White	475
Yellow	375

**2208.3 TEST METHODS**

KTMR-9, “Field Evaluation of Pavement Marking Materials”  
ASTM D 4505

**2208.4 PREQUALIFICATION**

Submit a sample of at least 100 linear feet of each color of material to be prequalified to the Engineer of Tests, Materials and Research Center, 2300 Van Buren, Topeka, KS 66611. The sample will be tested for compliance with all requirements of this specification. No material will be used on KDOT projects unless it has been prequalified. The Bureau of Materials and Research will maintain a list of prequalified materials.

Provide material that complies with **subsection 2208.2**. In addition, the following Field Evaluation will be conducted:

- **Field Evaluation.** The material will be subjected to traffic conditions on both portland cement and asphalt surfaces for 6 months during the period of July through February. During this time, the material cannot pick up and retain road grime that causes more than a slight graying of the surface. A strong contrast must remain between the striping material and the pavement surface. At the end of the evaluation period, the material must be intact with no evidence of lifting, curling, breaking or displacement. After 6 months, the material must maintain minimum retroreflectivity values of 150 millicandelas/sq m/lux for white and 100 millicandelas/sq m/lux for yellow.

Field evaluation may be waived if a complete field test has been performed on the identical product by another state department of transportation or AASHTO test facility that includes both hot and cold weather conditions, and was a minimum of 6 months in duration. Forward an official copy of the test report along with evidence that the product referenced is identical to that submitted for prequalification to the Engineer of Tests for evaluation.

## 2208 - PATTERNED COLD PLASTIC PAVEMENT MARKING TAPE

### 2208.5 BASIS OF ACCEPTANCE

#### a. Long Line Markings.

- (1) Prequalification as stated in **subsection 2208.4**.
- (2) Satisfactory results of Verification Testing. Except for symbols, the Engineer will sample each lot or batch. The Engineer will cut perpendicular to the width from the end of the roll.

Pavement Marking width	Sample Size
4, 6 & 8 inch	12 inch
12 & 24 inch	6 inch

- (3) Compliance with **TABLE 2208-1**.

#### b. Preformed Symbols.

- (1) Prequalification as stated in **subsection 2208.4**.
- (2) Receipt and approval of a Type C certification as specified in **DIVISION 2600**. Include all lot numbers from the material used to fabricate the symbols.
- (3) Compliance with **TABLE 2208-1**.