

2208 - PATTERNED COLD PLASTIC PAVEMENT MARKING MATERIAL

SECTION 2208

PATTERNED COLD PLASTIC PAVEMENT MARKING MATERIAL

2208.1 DESCRIPTION

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

2208.2 REQUIREMENTS

Provide patterned cold plastic pavement marking material that complies with ASTM D 4505 Reflectivity Level I with the following additions:

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.

2208.3 TEST METHODS

ASTM D 4505

2208.4 PREQUALIFICATION

Submit at least 100 linear feet of each color of material to be prequalified to the Engineer of Tests.

If the material complies with all laboratory requirements, the manufacturer will be contacted to arrange for the field evaluation. The field evaluation will consist of 2 or 3 test projects at times and locations as determined by the Bureau of Transportation Safety and Technology. Manufacturers must specify if the material may be used on both asphalt and concrete surfaces or only on asphalt or concrete surfaces.

Duration of the test project will be dependent on the submittal of test data from the AASHTO National Transportation Product Evaluation Program (NTPEP). Forward an official copy of the test data along with evidence that the material referenced is identical to that submitted for prequalification to the Engineer of Tests for evaluation. Materials with no test data will have a test project duration of 18 months; materials with test data will have a test project duration of 12 months. Materials will be evaluated initially and every 3 to 6 months throughout the duration of the test project for retroreflectivity, color and durability.

The material will be evaluated for compliance with this specification, and the manufacturer will be notified of the results. The Bureau of Construction and Materials will maintain a list of qualified materials and installation instructions. Products will remain on the prequalified list as long as field performance is satisfactory and the results of verification testing are consistently acceptable. Report any changes in formulation to the Engineer of Tests for review and evaluation to determine if requalification is necessary.

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. Collect samples of each lot in accordance with KT-81.

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.