



## **PRODUCT DATA SHEET**

---

### **Duraset-1 MMA 98:2 Screed**

#### **Introduction**

**HPS-6 Duraset** is part of Ennis Traffic Safety Solution's High Performance Roadmarking product line. Based on proven methyl methacrylate (MMA) technology, the Duraset line consists of several white and yellow lead free products tailored for specific application methods, various film thicknesses and/or specific multi-component proportioning application equipment. All provide exceptional retroreflectivity and longevity at an attractive cost per useful life. Duraset provides outstanding adhesion to both concrete and asphalt and can be surface applied or inlaid for even greater durability. Optimum retroreflectivity is achieved when the proper reflective media and coating is used. Please consult with your sales representative for the best reflective media/Duraset combination.

#### **Description**

Duraset-1 is a 98:2 by weight MMA designed for extrusion at a thickness of 60 to 120 mils. Extrusion can be accomplished by using a self-propelled vehicle, pushcart, drag box, or trowel. A powdered BPO catalyst, Part B, is blended into Part A methacrylate base using a rotating mixing blade just prior to application on the job site. Depending on the specific application method used, the catalyst will be added to the Part A container, mixed and used immediately, or metered in and mixed automatically by the extrusion applicator.

Part A of the product contains intermixed glass beads for enhanced long term retroreflectivity and blended in coarse aggregate for better skid resistance. Duraset 1 can be used for intersection markings, legends and long line striping.

#### **Storage Requirements**

Avoid extreme storage temperatures. Keep materials in dry, protected areas, between 40°F – 80°F. Keep out of direct sunlight and protected from open flame. Use within six months of receipt.

#### **Packaging and Mixing Instructions**

Part A containers are filled to 4 gallons to permit ease of mixing with an explosion proof mechanical mixer prior to pouring into a shoe or drag box. The amount of Part B to be mixed into Part A should be approximately 1% by weight of Part A.

#### **Installation**

Refer to the "Application Guidelines" for surface preparation and temperature limitations. Refer to the

equipment manufacturers instructions for use of the application device, making sure to calibrate and check the calibration of the automatic metering.

Long term retroreflectivity is most effective when the proper reflective media is used. Specific reflective types, composition, gradations, % rounds, and coatings have been tested and found to have superior performance when compared to “other” reflective media. The engineer and applicator shall confirm with the MMA manufacturer, which reflective product is currently the most effective.

Reflective media should be dropped on at a rate of 8 to 10 pounds per 100 square feet depending upon type, gradation, and other factors. Please consult with your sales representative for the best reflective media/Duraset combination.

Handling and disposal of Duraset materials are covered in the SDS.

### **Typical Technical Data**

TEST	RANGE	METHOD
Weight per gallon (A)	15 lbs/gal minimum	D1475
Settling (A)	6 minimum	D869, 96 hours at 120 ° F
Pot life at 77 ° F (mix)	6 minutes minimum	100 cc Part A, appropriate amount of B
No track at 77 ° F (mix)	30 minutes max	D711, mixed as above, 60 mils thick
VOC (mix)	100 g/l maximum	D2205, mixed as above
Total solids (mix)	99% by weight min	As in VOC above
Adhesion (mix)	250 psi or substrate failure	D4541, mixed as above, 60 mils thick
Chemical resistance (mix)	Pass 7 days immersion	Cure 3 days – motor oil, diesel, ATF, salt, anti-freeze

**SAFETY DATA SHEET AVAILABLE UPON REQUEST**

**Rev 11/23/2016**

The Product Data offered herein is, to the best of our knowledge, true and accurate, but all recommendations are made without warning, expressed or implied. Because the conditions of use are beyond our control, neither Ennis Paint, Inc., nor its agents shall be liable for any injury, loss or damage, direct or consequential, arising from the use or the inability to use the product described herein. No person is authorized to make any statement or recommendation not contained in the Product Data Sheet, and any such statement or recommendation, if made, shall not bind the Corporation. Further, nothing contained herein shall be construed as a recommendation to use any product in conflict with existing patents, and no license under the claims of any patent is either implied or granted.

Ennis Traffic Safety Solutions  
5910 N. Central Expressway, Suite 1050  
Dallas, Texas 75206  
1-800-331-8118