

# STIMSONITE®

Lens Cradle with C40 Replaceable Lens  
Model 201

**ENNIS-FLINT®** by PPG

Product data sheet

ENNIS-FLINT® by PPG *Stimsonite* raised pavement markers are safety devices used on roads to improve delineation and increase preview time, particularly under wet conditions. Highways with raised pavement marker center lines have been shown to decrease crash rates by approximately 0.5 crashed per million vehicle miles.

Raised pavement markers play an important safety function on roads, communicating both the travel path for short and long range vehicle operation.

## Product highlights

- Dual tab design places the casting at the optimal depth to prevent snowplow blade hits while maintaining superior wet night reflectivity
- Abrasion-resistant coating provides enhanced retained reflectivity
- Advanced optics deliver high reflectivity and durability
- Initial SI values engineered to at least double ASTM standards
- Recommended for high ADT and high intensity conditions

## Associated products

- Lightweight polycarbonate lens cradle
- Replaceable C40 polycarbonate lens with ABS plastic body, available in white, yellow, red, blue, green and fluorescent orange



## Technical data

Physical Characteristics													
Cradle													
Size	5.00" x 3.00" x 0.70" (12.70 cm x 7.62 cm x 1.78 cm)												
Installed Height	0.10" (0.25 cm)												
Weight	2.12 oz. (60 grams)												
Lens													
Size	1.93 sq.in. (12.48 sq. cm.)												
Slope of Lens	35° to base												
C40 Lens Test Properties	Test Method	White		Yellow		Red		Green		Blue		Orange	
		0°	20°	0°	20°	0°	20°	0°	20°	0°	20°	0°	20°
Compressive Strength	ASTM D4280	> 6,000 lbs. (2,722 kg)											
Coefficient of Luminous Intensity (mcd/lx)	ASTM D4280	279	112	167	67	70	28	93	37	26	10	?	?
Specific Intensity (cd/fc)	ASTM D4280	3.8	1.2	1.8	0.7	0.8	0.3	1.0	0.4	0.3	0.1	?	?
Coefficient of Luminous Intensity After Abrasion Resistance Testing (mcd/lx)	ASTM D4280	140	56	84	34	35	14	47	19	13	5	?	?
Specific Intensity After Abrasion Resistance Testing (cd/fc)	ASTM D4280	1.50	0.60	0.90	0.36	0.38	0.15	0.50	0.20	0.14	0.06	?	?

## Packaging

Available in 50-piece boxes per color and casting style. Available as a one-way marker with one lens and one plug, a two-way marker with two lenses of the same color, or a two-way marker with two different colored lenses.



## Storage

Store the markers indoors.

## Installation and surface preparations



### Surface Preparation

To ensure the best adhesion and properties, the surface must be clean and dry. The surface preparation includes, but is not limited to, cleaning and removal of sealing and curing compounds. All pavements shall be cleaned free of grease, oil, dust dirt, grass, loose gravel, loose or flaking paint and other deleterious materials. The pavement surface to be prepared shall be wider than the material line to be applied, such that a prepared area shall be clean and visible on all sides of the material after application. New asphalt, concrete and seal coated surfaces shall be in place a minimum of two weeks prior to application and all curing compounds must be removed. Any existing marking which may interfere with the performance of the material must be physically removed by any Agency approved method except for the use of chemicals. It would be best practice for all existing markings to be at least 90 percent removed. The material may be applied over temporary paint markings which are well adhered to the substrate and are thinner than 8 mils. The material is not designed to be used as a temporary marking. Upon completion of the surface preparation, the pavement surface preferably should first be power broomed and vacuumed. An additional compressed air operation, separate from the compressed air guns on the striping applicator, preferably used to remove residue and debris resulting from the cleaning work. Compressed air must be used during the striping application.



### Weather Conditions

Installation of the material shall only take place during dry conditions. Ambient and surface temperature must be 35°F. The road surface shall be completely dry with no dew or frost.



### Equipment

Refer to adhesive supplier for equipment recommendations.



### Dry Time

Refer to adhesive supplier for dry time application.



### Safety

Before working on this product, the user is required to read and understand the information provided in the Safety Data Sheets and to follow the safety precautions and good industrial hygiene.

Specifications (Effective Date): 06/14/2024



**WARNING:** Certain colors of this product may contain chemicals known to the State of California to cause cancer and/or reproductive harm. For more information go to [P65Warnings.ca.gov](https://www.P65Warnings.ca.gov).

This document contains general information only and should not be construed as creating any warranties, express or implied. Please contact a PPG representative for additional information.

The PPG Logo is a registered trademarks of PPG Industries Ohio, Inc. Ennis-Flint and Stimsonite are registered trademarks of the PPG Group of Companies. The IN Logo is a registered trademark of LinkedIn Corporation. ©2024 PPG Industries, Inc. All rights reserved. 06/24

PPG Traffic Solutions • 4161 Piedmont Parkway, Suite 370, Greensboro, NC 27410 • 1.800.331.8118 • [ppg.com/traffic](https://ppg.com/traffic) 



We protect and beautify the world®