A PRODUCT PORTFOLIO OF
PREFORMED THERMOPLASTIC
DURABLE PAVEMENT MARKINGS
PreMark Pavement Markings

- Heavy-duty, durable, intersection grade pavement marking material
- Complies with MUTCD; used primarily for regulatory markings on public streets, highways and private properties
- Supplied at 125 mil for cost-effective service life
- Lasts 6 to 8 times longer than paint
- No minimum ambient or road temperature requirements; pavement marking season can be extended into colder months
- Retroreflective; glass beads mixed throughout material so that as the marking wears new beads are exposed
- Precut; ready to use out of the carton
- Made at ISO 9001:2015 certified facility
- Simple 3-step application process with Ennis-Flint® 3000 EX Heat Torch

ViziGrip®

ViziGrip visibility and anti-skid treatment can be added to any of the PreMark preformed thermoplastic lines, legends, arrows, and other designs offered in 90-mil and 125-mil thicknesses.

PreMark Contrast Markings

Enhance contrast and improve visibility day and night with PreMark contrast markings for light-colored asphalt and concrete applications.

Border contrast markings available in white and yellow 125-mil PreMark material are retroreflective and skid resistant while the black contrasting border is skid resistant and non-reflective. The 4, 5 and 6 inch width white or yellow linear material has a 1.5 inch contrasting border. The 8 inch width linear material has a 3 inch contrasting border. For lines wider than 8 inches, use black linear PreMark material.

Block contrast markings are available in 125 mil and provide even greater visibility. They are convenient to use because the two colors of material are interconnected for easier handling and positioning.
Regulatory Markings

Section 9C02 General Principles of the 2009 MUTCD states that "markings used on bikeways shall be retroreflectORIZED." The Guidance statement reads, "Consideration should be given to selecting pavement marking materials that will minimize loss of traction for bicycles under wet conditions." PreMark® pavement markings with ViziGrip® anti-skid treatment provide this safety measure.

Standard FHWA Designs

Bike lane symbols are standard in 90 mil. Thickness of 125 mil is available.

Block Contrast Markings

PreMark block contrast markings provide even greater visibility and durability for concrete and faded asphalt applications. The white symbols are treated with ViziGrip visibility and anti-skid treatment, which optimizes skid resistance and retroreflectivity while the black background is nonreflective with high skid resistant elements.

Standard FHWA Designs

Block contrast markings are available in 125-mil thickness and require EF 2-Part Sealer for application. Other word and symbol designs are available.

Bike Boxes and Panels

Made with durable PreMark preformed thermoplastic material for use in high traffic areas subjected to vehicular traffic. The two colors of material are interconnected, allowing the user to easily handle and position the marking prior to heating. White symbols are retroreflective. Green portion is available as non-beaded with anti-skid elements on the surface and throughout. Solid colored 2’ x 3’ sheets can be used to fill in areas around the bike box or panels.

PreMark EF bike lane green material meets the chromaticity coordinates in the FHWA’s Interim Approval for the optional use of green colored pavement in marked bike lanes. Available with retroreflective (VG: ViziGrip anti-skid treatment) or non-reflective (SK: Skid-Only) properties.

Standard FHWA Designs

White symbols and words are retroreflective. Standard designs are 90 mil with skid-only green background. If 125 mil or ViziGrip treated material is required, notify an Ennis-Flint sales representative at the time of order. Other word designs available.
Life Cycle Performance and Savings with PreMark® Bike Lane Markings

**Preformed Thermoplastic**
- Block Contrast Marking
- Applied cost approximately $375 (includes material and application)

**Waterborne Paint**
- Applied cost approximately $150 (includes material and application)

**Cold Plastic Tape**
- Applied cost approximately $200 (includes material and application)

*Each photograph taken after one year of service*

Three different pavement marking materials were applied along a bike route in Boston, MA, at approximately the same time frame. The photos shown above provide a visual comparison of performance and durability after one year of service.

The advantages of preformed thermoplastic are evident with the block contrast marking completely intact and easily identifiable. With an expected life cycle of 6 to 8 times longer than paint, preformed thermoplastic provides long-term savings but, most importantly, an extended service life and effective safety measure.

When costs for mobilization, lane closures, administrative costs, and application costs are factored in for each repainting cycle, the long-term savings and performance of using preformed thermoplastic proves to be the right choice.
**PreMark** Interstate and Route Shields

There has been a growing use of horizontal surface signs in lieu of, or as a supplement to, the typical shoulder-mounted or overhead traffic signs. Standard sizes are 4' x 10', 6' x 15' and 8' x 36'.

Many states are discovering these shields help improve traffic flow and safety by providing a clear, concise message to direct motorists to the proper lane before reaching a particular exit or intersection.

PreMark interstate shields are simple to apply because the large marking comes packaged in layout sequence according to the particular design. The different colors of material are interconnected making it easy and convenient to handle and position for application with a propane heat torch or a large infrared heater.

**PreMark** In-Lane Rumble Bars

Using audible and vibratory signals, PreMark in-lane rumble bars help reduce driver risk and unsafe driving practices due to special road conditions.

The base layer is 125-mil non-beaded PreMark preformed thermoplastic and the top layer is a 250-mil PreMark rumble bar; both layers must be used together. It is effective to use in combination with appropriate signage and word legends.

Situations where rumble bars could be effective include, but are not limited to, high incident areas, approaches to newly-installed stop signs or traffic lights, railroad crossings, signalized controlled intersections, work zones, toll facilities, hazardous curves, and rural high-speed intersections with sight restrictions.

PreMark rumble bars are available in black, white, and yellow. Maintenance is easy as a new rumble bar section can be easily cut to fit any worn or damaged area.

**PreMark** Heavy-Duty Adhesives

PreMark adhesives are made out of non-toxic, zero VOC, preformed thermoplastic.

Bundy® adhesives adhere raised pavement markers to the road surface and provide a bond that will last throughout the marker’s lifetime. Each 5” x 5” adhesive is made of 125-mil preformed thermoplastic. When heated with a propane heat torch, the Bundy adhesive liquifies and fuses with the road surface and the marker.

The SuperBundy® adhesive is designed for applications where the object bonded to the road surface may be hit with extreme force. It has resilient characteristics which enable it to remain flexible throughout its lifetime. It adheres large objects on horizontal surfaces such as tubular markers, wheel stops, large “turtle” markers and buttons. SuperBundy adhesives are available in 2”x39” strips and 8”x8” pads.

**PreMark** Manhole Protection Rings

The PreMark manhole protection ring system offers protection against damage all year round. Road construction, resurfacing, and sewer maintenance can result in manhole covers that do not match the exact grade and crown of the road. PreMark MPRs are designed with a subtle incline that provide a smooth, damage-free ride for daily traffic. They help solve equipment maintenance concerns and potential injury hazards.

Each ring is made of durable, non-beaded, 125-mil PreMark preformed thermoplastic pavement marking material. As many as three rings can be combined to create a smooth transition. Actual ring dimensions depend on the size of the manhole or valve cover.

See the PreMark Preformed Thermoplastic Price List for standard sizes.
PreMark® Handicap Markings

PreMark handicap markings with ViziGrip® visibility and anti-skid treatment are virtually maintenance free. Durable enough to last 6 to 8 times longer than painted surfaces, these high-visibility markings are ADA compliant and offer high skid resistance for pedestrian safety. Although available in a variety of sizes, the standard PreMark handicap kit (40”x40” white symbol on a blue background) is compliant with the FHWA Standard Highway Signs Book.

PreMark handicap marking kits are more convenient to install because the two-colored material is physically held together with a compatible material allowing the user to easily handle and position the marking prior to application.

See the PreMark Preformed Thermoplastic Price List for standard sizes.

PreMark® Storm Drain Markings

PreMark storm drain markings are designed to educate the public and increase awareness about the dangers of pollutants flowing into our water system.

These markings include messages such as “No Dumping!”, “Drains to Ocean” or “No Dumping! It Kills.” Unlike paint that can actually wash down the drain in a short time, PreMark preformed thermoplastic markings stay in place so your messages remain easy to read and understand.

PreMark storm drain markings with ViziGrip® anti-skid treatment are made of durable preformed thermoplastic and provide enhanced visibility and skid resistance for pedestrian safety.

There are many designs available. The most typical is a 29” x 5” marking with two layers of PreMark preformed thermoplastic which consists of a blue non-beaded base layer and a white beaded stencil top layer.

Ennis-Flint® 3000 EX

The Ennis-Flint 3000 EX propane heat torch is specially designed for applying preformed thermoplastic pavement markings and adhesives. It is recommended for the application of PreMark material and can also be used for the removal of paint, drying loop detector grooves, removal of cold plastic and temporary tape, shrinking plastic for wrapping, drying road surfaces and for melting snow or ice.

Magnum Heat Torch

The Magnum propane heat torch has a self-contained torch ignition with a wide mouth and is designed for applying preformed thermoplastic such as HotTape® pavement marking material. Torch assembly must be used with a D.O.T. approved container equipped with a U.L. listed shut-off valve. It is important to always use the two-hand grip handles to properly direct the flame toward the pavement.

SR-28 Reciprocating Infrared Heater

The SR-28 reciprocating infrared heater is engineered specifically for the application and imprinting of asphalt and preformed thermoplastic pavement markings. It is optimized for heating linear material up to 24 inches in width and a variety of symbols and legends.

Tornado Heat Torch

The Tornado heat torch is an ultra light weight, handheld torch designed to be used comfortably all day long. It has a fast, single-click hose connection and synchronized piezo ignition that means its adjustable flame is readily available with one click of the trigger. The Tornado torch has a low operational noise level. Its low gas consumption makes it economical to operate.
Preformed Thermoplastic Pavement Markings

- Heavy-duty, durable intersection grade pavement marking material
- Preheating pavement to specific temperature is required
- Complies with MUTCD; used primarily for regulatory markings on public streets, highways and private properties
- Supplied at 125 mil and 90 mil
- Retroreflective; glass beads mixed throughout material so that as the marking wears new beads are exposed
- White and yellow linear material available in rolls
- SkidOptics provides enhanced skid resistance
- Precut and ready to use out of the carton
- Clean, crisp appearance
- Made at ISO 9001:2015 certified facility
- No lead chromate or VOCs
- Quick and simple mobilization; no heavy equipment to set-up and clean
- Simple 3-step application process with Magnum heat torch

DecoMark®
Surface Signs

Horizontal Surface Signage

- Durable intersection-grade preformed thermoplastic pavement marking material
- Enhances regulatory transportation and pedestrian guidance; promotes community pride and safety
- Precut; ready to use out of the carton
- Interconnected shapes and colors; easy to handle
- Lasts 6 to 8 times longer than paint
- ViziGrip® visibility and anti-skid treatment provides enhanced visibility and slip resistance
- Material flushes to the surface; no tripping hazard; wheelchair/shopping cart-friendly
- Clean, crisp appearance
- No minimum ambient or road temperature requirements; pavement marking season can be extended into colder months
- Heating indicators in the surface of the material provide visual cue for proper application
- Made at ISO 9001:2015 certified facility
- No lead chromate or VOCs
- Application on asphalt and concrete
- Simple application process with propane heat torch or large infrared heater

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