

## PRODUCT DATA



### PRODUCT: PreMarkXF™ Preformed Thermoplastic Pavement Markings | No Preheat Type

**PRODUCT DESCRIPTION:** Extra-flexible, durable PreMarkXF™ preformed thermoplastic pavement markings are made for use on public streets, highways, local roads as well as parking lots, shopping centers, school campuses, business parks, and more. Marking types include but not limited to lines, word legends, arrows, symbols, contrast markings, bike lanes, route shields, and more.



#### MATERIAL SURFACE OPTIONS:

- Beaded: contains intermixed glass beads and factory-applied surface beads for retroreflectivity
- High Skid: contains intermixed glass beads, factory-applied glass beads and ViziGrip® anti-skid elements (corundum)
- Non-Beaded: contains intermixed glass beads but without factory-applied glass beads or anti-skid elements on the surface

#### ADVANTAGES:

- Enhanced flexibility before and during application for ease of handling especially in colder temperatures
- Increased post-application impact resistance
- Preheating road surface to a specific temperature is not required before application
- No minimum road or ambient temperature requirements for application
- Simple application with industrial propane heat torch such as the Ennis-Flint® 3000 EX Heat Torch or recommended infrared heater
- Heating indicators (indents) act as visual cue that material has reached a molten state for proper adhesion and bead embedment
- Sustainable product with small environmental impact. Recycled materials make up 60% of the product.
- Contains no toxic chemicals. No VOCs released during application. No lead chromate. No heavy metals or hazardous waste.
- Produced in our own U.S. facility with ISO 9001:2015 certification for design, development, and manufacturing of preformed thermoplastic
- Designs meet current edition of the Manual on Uniform Traffic Control Devices. State specification and custom designs available.
- Standard Colors: White, Yellow, Blue, Red, Bike Lane Green (ViziGrip® option only), Black (non-reflective)

#### STANDARD TECHNICAL DATA\*:

Binder	18% minimum	AASHTO M-249
Glass Beads	30% minimum intermix	AASHTO M-249; M-247
TiO <sub>2</sub>	10% minimum	AASHTO M-249
Reflectance (Y value)	White 75% min.; Yellow 45% min.	AASHTO M-249
Yellowness Index (white material)	0.12 maximum; Mfr. targets 0.04-0.08	AASHTO M-249
Color	White 17886; Yellow 13538	Federal Standard No. 595
Softening Point	200-230°F	ASTM D 36
Specific Gravity	< 2.15	ASTM D 792
Impact Resistance	10 in. lbs. minimum	ASTM D 256
Skid Resistance - Beaded	45 BPN minimum	ASTM E 303
Skid Resistance – High Skid	60 BPN minimum	ASTM E 303
Retroreflectivity; Initial Minimum - Beaded	White 500 mcd <sup>2</sup> ; Yellow 300 mcd <sup>2</sup>	ASTM E 1710
Retroreflectivity; Initial Minimum – High Skid	White 275 mcd <sup>2</sup>	ASTM E 1710
High Skid Elements Hardness	9	Mohs Scale
Thickness, supplied	90 mil or 125 mil	Based upon specification; caliper

\* Detailed specifications available.

**PACKAGING:**

- Corrugated cartons with a minimum of 35% post-consumer recycled materials not exceeding 40" length and 25" width
- Protective film around each individual pack protects the material from rain or premature aging
- Pack label contains SKU, Description, Quantity, Lot Number with Date of Manufacture
- Each pack contains application instructions and a drawing of the marking to aid with proper layout

**APPLICATION:** Preformed thermoplastic material is applied with a propane heat torch and/or infrared heating method recommended by the manufacturer. Follow the complete set of manufacturer's application instructions that are included in each package. Before leaving the application site, make sure all application steps were followed correctly. Any deviation from the recommendations may result in application failure and should be documented if unavoidable. Never leave the job site without checking the bond between the substrate and the preformed thermoplastic material by performing the chisel test as described in the application instructions. Material should be allowed to cool completely until firm to the touch before allowing traffic to move over the markings. During warm weather, it may take longer for the material to cool down. To shorten the cooling process, especially in hot temperatures, water can be dispersed over the markings after application steps are completed.

**STORAGE:** PreMarkXF™ preformed thermoplastic has a 2-year shelf life from the date of manufacture found on the outside pack label. Manage and rotate inventory so that you are using the older materials first. Do not throw the packs of material. Protect against UV and sunlight. Store flat. Do not stack more than 30 packs high. Keep packaging and material dry at all time during transit, storage, and application.

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