



THERMOPLASTIC PAVEMENT MARKINGS



ENNIS-FLINT
The Mark of Traffic Safety®

Streets & Highways

Local & Rural Roads

Parking Lots

EF THERMOPLASTIC

Ennis-Flint manufactures and supplies a full line of durable thermoplastic products in both alkyd and hydrocarbon formulations engineered to meet your specification whether Federal, State, local, or commercial based.

Thermoplastic pavement marking material is a 100% solid, environmentally and user safe compound containing pigments, glass beads, binder, and filler which becomes liquid when heated. Pigments provide color and opacity; fillers, such as calcium carbonate, add bulk; and binders, consisting of plasticizers and resins, provide toughness, flexibility and bond strength while holding all the components together. Intermixed and drop-on glass beads provide retroreflectivity for nighttime visibility of the pavement marking. There are two types of hot-applied thermoplastic.



Supplied in 50-lb heat-degradable bags. Also available in block form.



HYDROCARBON THERMOPLASTIC

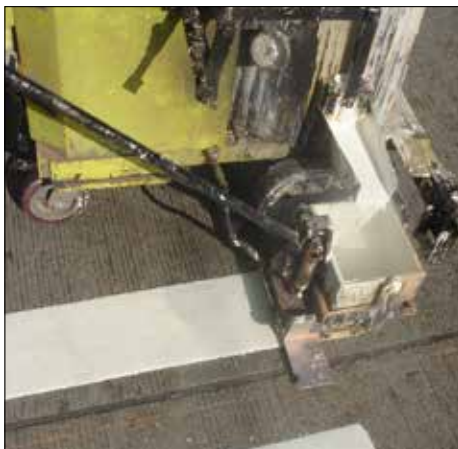
Made from petroleum-derived resins, it is best used for long-line applications.

ALKYD THERMOPLASTIC

Made from wood-derived resins, a renewable natural resource, it is impervious to oil and diesel fuels.

BENEFITS OF USING THERMOPLASTIC PAVEMENT MARKINGS

- Superior performance; abrasion resistant for durability
- Mechanically adheres to all asphalt pavements
- Adhesive bond to concrete (requires primer for application)
- Extended durability results from:
 - Intermix beads for maintained retroreflectivity
 - Flexible application thicknesses
- Formulated for quick dry of < 2 minutes at temperatures as low as 50°F
- Engineered to minimize lane interruptions and closures
- Application methods include spray, ribbon or screed (40-125 mils)
- Complete thermoplastic product line available in lead-free yellow



STANDARD COLORS



A specially formulated black thermoplastic, used with white or yellow combination, enhances visual contrast on concrete or light-colored asphalt.



From edge lines and center lines to skips, gores, and more, Ennis-Flint can help you determine the right EF Thermoplastic formula for your next striping project.

PAVEMARK®

- Formulated to meet AASHTO and many state specs
- Typically applied in 60 to 120 mils with single- or double-drop glass bead application
- User-friendly formulation for fast melting
- Excellent performance in wide range of application conditions
- Applied by conventional extrusion, ribbon extrusion, or spray

THERMO-QUIK® / THINLINE

- Formulated for spray application at 30-40 mils
- Cost-effective alternative for use on low ADT roads
- Economical refurbishment for touching up worn, linear thermoplastic markings
- Durable alternative to paint for skip lines, edge lines, or center lines
- Applied with the proper glass beads, adds additional cycles of retroreflectivity to otherwise faded pavement markings

PERMALINE®

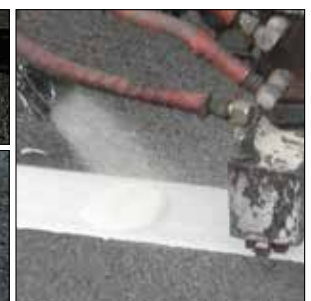
- Formulated for use on asphalt and newer concrete without primer
- Specialized formulation provides improved durability, crack resistance, abrasion resistance, and adhesion in adverse conditions including snow plow areas
- Flexible film makes it an ideal choice for high ADT concrete roadways
- Compatible with other EF thermoplastics, eliminating the need for melter clean outs switching from one formulation to another

VIBRALINE I

- Specialized formulation for profiled markings to enhance wet-reflective visibility
- Delivers an audible delineation and “rumble” to alert motorists of lane departure

VIBRALINE II

- Specialized formula for raised profile to be added to an existing thermoplastic flat line
- Retrofit to enhance wet-reflective visibility and audible delineation





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