



# LS50

## PRODUCT DATA

### PRODUCT DESCRIPTION

Epoplex LS50 is a two-component, 100% solids epoxy coating material designed as a rapid setting highway marking coating that provides durability and corrosion and abrasion resistance. Epoplex LS50 is formulated to provide a simple volumetric mixing ratio of two volumes of Component A to one volume of Component B.

### USES, APPLICATIONS

Epoplex LS50 may be applied to both cementitious and asphalt highway surfaces as a long-lasting striping material for both edging and center line markings.

### PRODUCT ADVANTAGES

- 100% solids chemistry
- Low viscosity suitable for spray application
- Long-term abrasion and corrosion resistance
- Excellent bond strength assures good adhesion to a variety of substrates
- Protection against moisture penetration
- Special formulation chemistry for rapid set at a wide range of temperatures
- High ultraviolet light stability
- High reflective qualities

### PACKAGING

**Component A:** Base Resin and Pigmentation

**Component B:** Activator/Curing Agent

Both components are available in 55 gallon drums and 250 gallon returnable totes.

### STORAGE CONDITIONS

Store both components of Epoplex LS50 in a dry area. Avoid excessive heat and do not freeze. The shelf life is two years in the original, unopened container.

#### IMPORTANT:

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### PHYSICAL CHARACTERISTICS

|  |   |
|--|---|
| <b>Percent Solids</b> . . . . .              | 100%  |
| <b>Epoxy Equivalent Weight</b> . . . . .     | .300 +/- 50<br>(ASTM D-1652, Method B)  |
| <b>Total Amine Value</b> . . . . .           | .475 +/- 50<br>(ERF-25-68)  |
| <b>Track Free Time @ 77°F/25°C</b> . . . . . | 10 min. or less<br>(ASTM D-711) (with glass beads)                                      |
| <b>Adhesion</b> . . . . .                    | > 300 psi<br>(ASTM D-7234 formerly (100% concrete failure)<br>ASTM D-4541)              |
| <b>Hardness</b> . . . . .                    | Min. 80<br>(ASTM D-2240, Shore D)   |
| <b>Abrasion Resistance</b> . . . . .         | < 80 mg weight loss<br>(ASTM D-4060, formerly ASTM C-501)                               |
| <b>Tensile Strength</b> . . . . .            | .6,000 psi<br>(ASTM D-638)  |
| <b>Compressive Strength</b> . . . . .        | .12,000 psi<br>(ASTM D-695)   |
| <b>Theoretical Coverage</b> . . . . .        | .122 sq. ft. per gallon<br>@ 15 mils  |
| <b>Mixing Ratio</b> . . . . .                | .2 Parts A to 1 Part B, by volume   |
| <b>Chromaticity (Color)</b> . . . . .        | .within coordinates<br>(ASTM D-6628)  |
| <b>Yellowness Indexing</b> . . . . .         | .Max. before QUV 8<br>(ASTM E-313) Max. after QUV 20                                    |
| <b>Titanium Dioxide (White)</b> . . . . .    | .18-25%<br>(ASTM D-476, Type V) (Composition by weight)<br>(Exceeds Type I,II,III & IV) |
| <b>Non-Lead Organic Yellow</b> . . . . .     | .5-10%<br>(Composition by weight)   |

### COLOR

Epoplex LS50 is available in highway white, non-lead yellow, and black. Custom colors are available upon request.