



# 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

**Percent Solids** .....100%

**Epoxy Equivalent Weight** .....300 +/- 50  
(ASTM D-1652, Method B)

**Total Amine Value** .....475 +/- 50  
(ERF-25-68)

**Track Free Time @ 77°F/25°C** .....10 min. or less  
(ASTM D-711) (with glass beads)

**Adhesion** .....> 300 psi  
(ASTM D-7234 formerly (100% concrete failure)  
ASTM D-4541)

**Hardness** .....Min. 80  
(ASTM D-2240, Shore D)

**Abrasion Resistance** .....< 80 mg weight loss  
(ASTM D-4060, formerly ASTM C-501)

**Tensile Strength** .....6,000 psi  
(ASTM D-638)

**Compressive Strength** .....12,000 psi  
(ASTM D-695)

**Theoretical Coverage** .....122 sq. ft. per gallon  
@ 15 mils

**Mixing Ratio** .....2 Parts A to 1 Part B, by volume

**Chromaticity (Color)** .....within coordinates  
(ASTM D-6628)

**Yellowness Indexing** .....Max. before QUV 8  
(ASTM E-313) Max. after QUV 20

**Titanium Dioxide (White)** .....18-25%  
(ASTM D-476, Type V) (Composition by weight)  
(Exceeds Type I,II,III & IV)

**Non-Lead Organic Yellow** .....5-10%  
(Composition by weight)

### COLOR

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