



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.

COLOR

Epoplex® LS50 is available in highway white, non-lead yellow, and black.

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) |

IMPORTANT:

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