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.

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)

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.

SAFETY

Proper personal protective equipment should be utilized when applying Epoplex products. For specific safety and handling information please consult the Safety Data Sheet. Safety Data Sheets for Epoplex products are available online at www.epoplex.com or upon request.