



# MA50

## PRODUCT DATA

### PRODUCT DESCRIPTION

Epoplex MA50 is a two-component, epoxy polyamine, 100% solids adhesive. Its durability, along with high chemical and abrasion resistance, makes it an extremely effective bonding material suitable for various applications. Epoplex MA50 is formulated to provide a simple volumetric mixing ratio of one volume of Component A to one volume of Component B. Epoplex MA50 is formulated to meet the requirements set forth in AASHTO M 237, Type IV.

### USES, APPLICATIONS

Epoplex MA50 is recommended for use as an adherent of pavement markers to highway surfaces. It may also be applied as a heavy duty bonding and/or patching material to various surfaces. Epoplex MA50 can be installed at temperatures between 32°F/0°C and 110°F/43°C.

### PRODUCT ADVANTAGES

- 100% solids chemistry; no solvents
- Long-term corrosion resistance
- Protection against moisture penetration
- Superior chemical and oil resistance
- Superior vibration resistance against heavy highway traffic
- Excellent bond strength assures superior adhesion to both asphalt and concrete surfaces
- Minimal shrinkage upon cure
- Insensitive to excessive moisture resulting from various weather and road conditions (in the cured state)
- High compressive and tensile strengths
- Excellent mechanical strength

### STORAGE CONDITIONS

Store all Epoplex MA50 components at or above 50°F/10°C in a dry area. Avoid excessive heat. Do not freeze. The shelf life is 2 years in the original, unopened container.

#### IMPORTANT:

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### PHYSICAL CHARACTERISTICS

Percent Solids	100%
Pot Life (@ 77°F/25°C)	10 Minutes
Tensile Strength (ASTM D-638)	2,900 psi
Tensile Bond Strength (ACI 550) (100% concrete failure)	.300 psi
Viscosity	.30,000-50,000 cps
Weight per gallon	Part A = 11.8 lbs. Part B = 11.4 lbs.
Adhesive Strength (MIL-D-24613)	.220 psi
Compressive Strength (ASTM C-695)	11,000 psi

**Note:** All properties are tested at 7 days unless otherwise noted.

### PACKAGING

**Component A:** Epoxy Base Resin  
**Component B:** Activator/Curing Agent

Both components are available in a 2 gallon unit, 5 gallon pails, 55 gallon drums, and 250 gallon returnable totes.

**Note:** Quick-Kit tubes are also available.