



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 surface and ambient temperatures between 32°F/0°C and 110°F/43°C.

Application of MA50 should take place shortly after the intended installation area is prepared using the required mechanical preparation method. Before applying MA50, vacuum or blow the substrate so that no loose debris is present. The application area should be cleaned and dried with compressed air. Do not install the MA50 in moist or wet conditions.

PRODUCT ADVANTAGES

- 100% solids chemistry; no solvents
- Long-term corrosion resistance
- 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 as this increases the chance of settling. In the rare occurrence that minor settling is noticed, it is recommended that the material is premixed with a jiffler blade to regain suspension prior to use. Do not freeze. The shelf life is 2 years in the original, unopened container.

PACKAGING

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

Both components are available in 5 gallon pails and 250 gallon totes. Quick-Kit dual cartridge tubes may be available upon request.

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.

PHYSICAL CHARACTERISTICS

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

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

IMPORTANT:

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11/2022



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