

## EAS-31 Traffic Marker Adhesive

### EPOXY ADHESIVE SYSTEM

**DESCRIPTION:**

EAS-31 is a two part easy to mix 1:1 ratio by volume epoxy system designed and approved for adhering traffic markers on steel, concrete and asphalt. EAS-31 is a medium cure epoxy for use at temperatures of 50 °F and above.

**ADVANTAGES:**

- Medium viscosity for easy mixing.
- Mixes to grey color to ensure consistent mix.
- Can be used on damp surfaces. Not intended for wet surfaces.
- Maintains cured properties up to 120 °F keeping adhesive properties in hot weather.
- Holds bonds between -20 °F – 160 °F.
- No VOC's.
- Medium cure

**SPECIFICATIONS:**

State of Hawaii Highways	712.41 Section B
State of California	8040-51B-09
State of Oregon Highways	762.06
American Public Works Association	44-2.02 B4
AASHTO	M237 Class I(Std) & II Type II/III

**TYPICAL PHYSICAL PROPERTIES:**

<u>Property</u>	<u>Method</u>	<u>Value</u>
Mix ratio (1:1 by weight)	Part A	1
Mix ratio (1:1 by volume)	Part B	1
Color	Part A	White
	Part B	Black
Weight Per Gallon	Part A	
	Part B	
Viscosity @ 77°F (cps)	Helipath TD	Mixed 100,000 – 300,000 cps (HI)
Viscosity @ 77°F (cps)	Helipath TE	Mixed 300,000 – 400,000 cps (CA)
Compressive Strength	2.0" Cube/ 72hr Cure	≥ 3000 PSI
Dry Bond	Arizona 706.05	7 days Passed
Wet Bond	Arizona 706.05	24 hours Passed
Wet Bond	Arizona 706.05	72 hours Passed

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Recommendations for the use of this product are based on tests believed to be reliable. However, since the use of this product is beyond our control, no guarantee or warranty of any kind express or implied is made with respect to information presented and QCM Co. assumes no responsibility for the results of the use of this product and processes described.



**ADHESIVES & COATINGS**  
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**WORKING TIME/CURING SCHEDULE:**

<u>Property</u>	<u>Temperature</u>	<u>Time</u>
Pot life (1 lb. batch)	70 °F	7 -10 minutes
Firm Set	70 °F	2 hours
Firm Set	50 °F	4 hours
Hard Set	70 °F	4 hours
Full Cure	70 °F	24 hours

- **Pot life time is reduced by 50% for every 18 °F increase in temperature.**
- **Cured properties based on 40 mil film.**

**CHEMICAL RESISTANCE:**

<u>Excellent</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>
Water	Xylene	20 % nitric acid	MEK
Detergent		10 % acetic acid	
10 % sodium hydroxide			
10 % sulfuric acid			
Gasoline			
Oils			

**RECOMMENDATIONS:**

**DIRECTIONS/APPLICATION:** Thoroughly mix part A and part B until a consistent grey color with no streaks of color can be seen. Mix in clean containers and do not mix fresh epoxy with cured epoxy. Best results when surface is dry, clean, solid and free from alkalinity. Do not use at temperatures below 50 °F or above 105 °F.

**CLEAN-UP:** Toluene, MEK OR Blended Epoxy cleaning solvents.

**CAUTIONS:** Avoid contact with skin and eyes. In the event of contact, wash off skin with soap and water as soon as possible. Wash eyes thoroughly with water and consult a physician. See MSDS for further information .Do not allow product to freeze.

**SHELF LIFE:** One year guaranteed in unopened containers.

**PACKAGING:** Quarts, (1) Gallon Pails, (5) Gallon Pails and Drums.

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930 Central Ave. S. • Kent, WA 98032 • 1 (800) 321-0170 • (253) 859-0933 • Fax (253) 859-0935

[www.qcminks.com](http://www.qcminks.com) • [www.qcminds.com](http://www.qcminds.com)