

EAS-14 Loop Detector Adhesive

Loop Detector Adhesive/Sealant

DESCRIPTION:

EAS-14 is a two (2) part Epoxy, specially formulated to meet the requirements of embedding traffic density loop detectors and related apparatus in asphalt and concrete roadways. EAS-14 Type I has all the properties of the original EAS-14 system with the added advantage of a rapid cure for minimal traffic disruption. This product can be used as a flexibilized coating for concrete or wooden decks, where traffic is light (no automobiles) and there is no direct sunlight.

Typical properties are outstanding adhesion and excellent resistance to oil, gasoline, hydraulic fluids, salt solutions and most other chemicals.

EAS-14 has built-in flexibility that compensates usual joint movement and vibration and eliminates wire drift to surface.

Because EAS-14 is a chem-o-set material with good physical properties up to 180 F, the possibility of movement of wires to the surface during hot weather is eliminated.

Its medium viscosity is designed to allow for easy pouring yet will minimize runoff at low sides of the cut. Viscosity can be affected by temperature. Cooling material will thicken it for use on slopes. (Do Not Freeze.)

EAS-14 can be used on damp (not wet) surfaces and cures well down to 32 F. (It will cure down to 10 F, but physical properties are reduced, i.e. less impact resistance, more brittle.)

This product has been field tested and approved for use by the State of Oregon D.O.T. Highway Division.

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 | 9.4 |
| | Part B | |
| Viscosity @ 77°F (cps) | Brookfield | Mixed 3900 cps |

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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.

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WORKING TIME/CURING SCHEDULE:

| Pot Life | Impact Resistance | Elongation | Hardness |
|---------------------|-------------------|------------|------------------------|
| 72°F - 13-15 minute | Falling Ball | >30% | 95 Shore A (Full Cure) |
| 90°F - 6-7 minute | >96 in./lbs. | | 60 Shore D (Full Cure) |

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

CHEMICAL RESISTANCE:

Excellent

Water
Detergent
10 % sodium hydroxide
10 % sulfuric acid
Gasoline
Oils

Good

Xylene

Fair

20 % nitric acid
10 % acetic acid

Poor

MEK

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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