SHUR-FLEX® SURFACE MOUNT
"Epoxy Method"

COVERAGE RATE

- Mix ratio is 1 to 1, equal parts of A & B
- Concrete: (12 oz. mixed epoxy for each base)
- Asphalt: (16 oz. of mixed epoxy for each base)
- Approximately 2 ea Delineators per mixed 2-Tube kit on concrete and asphalt
- Approximately 11 ea Delineators per mixed gallon on concrete
- Approximately 8 ea Delineators per mixed gallon of asphalt

ROAD SURFACE PREPARATION

All surfaces should be clean, free of dirt, dust, grease, oil or any foreign material that will prevent the proper bond of the adhesive to the surface. The surface should be structurally sound and secure. Do not apply epoxy adhesive or markers unless the road surface is dry.

BASE PREPARATION

The base should be clean and free of dirt and oil prior to flame treatment. For effective flame treating, the tip of the outer blue envelope of flame should just touch the surface of the base material. Time exposure to the flame is approximately one to two seconds. Flame treating overexposure on the plastic can deform or soften the base which can induce failures. Flame treating is NOT heat treating. The base must be expoxied the same day as flame treating.

APPLICATION OF EPOXY

Use rate of coverage shown above and place adhesive onto the base of the marker and the surface. Place the marker with the adhesive on the road surface using sufficient pressure to ensure a visible bead of adhesive is around the perimeter of the marker and ***adhesive is coming up thru the holes in the base.*** Ensure that epoxy covers the bolt holes.

NOTE: Do not step on markers after placement of the adhesive. simple hand pressure is all that is needed to ensure adequate performance. protect the area from traffic until the adhesive is set. Excessive pressure on markers may result in insufficient adhesive remaining under the marker.

MARKER ADHESIVE CURE TIME GUIDE

Temp. F (C)   Set Time (hrs.)

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110 (43.3)	1/4 to 1/2
100 (37.8)	1/2 to ¾
90 (32.2)	1 hr. to 1-1/2 hrs.
80 (26.7)	1-1/2 hr. to 2-1/4 hrs.
70 (21)	3 to 4 hrs.
60 (15.6)	4 to 5 hrs.
50 (10)	6 to 7 hrs.

NOTE: Do not apply when the road surface or air temperature is below 50° f (10° c). Only apply when the road surface and air temperature is above 50° f (10° c) and is anticipated that it will remain above 50° f (10° c) for the following 24 hour after application. When applying at cooler temperature, precondition material to approximately 77°f (25° c) prior to application.

FOR BEST RESULTS:

- Minimum application temperature 40° F (4.4° C).
- Do not thin, solvents will prevent proper cure.
- Moisture passing through substrate by pressure during application curing of the epoxy will cause bond failure.
- Store materials at 70 - 90 degrees for 24 hours prior to use.

TEMPERATURE CONSIDERATIONS

Surface temperature and ambient temperature is quite often beyond the control of the applicator. The applicator should, however, consider the effects of temperature on the product. A product that is stored in a temperature range of 80° to 90° F (26.7-32.2° C) will thin out slightly, making it easier to hand mix. A product mixed at a warmer temperature will have a slightly shorter pot life, perhaps in the neighborhood of 6 min. but faster setting time, thus permitting the area to be opened earlier to traffic.

Product temperatures below 70° F (21° C) thickens very rapidly to a heavy paste making it difficult to mix, provides longer working time, with resulting much longer setting time and delay in opening the areas to traffic. Automatic metering in mixing equipment is the ideal way of using the products. This equipment has the ability to warm the product up to 110 ° F (43.3° C), automatically meters the correct portion and provides thorough mixing.

When applying on road surfaces when it's anticipated that the surface will be in the 50's F (10's C), it is recommended that both components be stored at 70 ° to 90 ° (25°-26.7° C) for 24 hours prior to use.