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U-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.

POST PREPARATION

Remove the L-pin from the base. Insert the post into the base, making sure the holes are aligned. Reinsert the L-pin through the base and the post, then lock it into the slot. *Follow this step prior to flame treating and applying epoxy to the U-Flex on the surface.

BASE PREPARATION

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

APPLICATION OF EPOXY

Use rate of coverage shown above and place adhesive onto the surface. Align the base with the direction of Traffic arrows and the L-Pin is perpendicular to traffic then place the U-Flex on the road surface using the sufficient pressure to ensure a visible bead of adhesive is around the perimeter of the base and that **adhesive is coming up through 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 the markers May lead to insufficient amount of adhesive remaining underneath the marker.

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MARKER ADHESIVE CURE TIME GUIDE

Temp. F (C)	Set Time (hrs.)
110 (43.3)	1/4 to 1/2
100 (37.8)	1/2 to 3/4
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. However, the applicator should consider the effects of temperature on the product. To make the product thin out slightly and easier to hand mix, store in temperature range of 80°-90° F or 26.7°-32.2° c. A product mixed at a higher temperature will have a slightly shorter lifespan ranging about 6 minutes. Although this may be a short amount of time, the product is designed to make it easier to permit the area to be opened earlier to traffic.