



1920 North Weaver
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SHUR-FLEX® SURFACE MOUNT

“Epoxy Method”

COVERAGE RATE

- **Mix ratio:** 1:1 - equal parts of A & B.
- **Concrete:** Use 12 oz. of mixed epoxy per base.
- **Asphalt:** Use 16 oz. of mixed epoxy per base.
- **2-Tube Kit Coverage:** Roughly 2 delineators per kit (works for both asphalt & concrete).
- **Gallon Coverage (Concrete):** Roughly 11 delineators per gallon.
- **Gallon Coverage (Asphalt):** Roughly 8 delineators per gallon.



ROAD SURFACE PREPARATION

- Clean the surface so it's free of dirt, dust, grease, oil, or anything that could prevent the adhesive from sticking.
- Ensure the surface is solid and secure.
- Only apply epoxy adhesive or markers when the road surface is completely dry.

BASE PREPARATION

- **Surface Prep:** Make sure the base is clean and free of dirt and oil before flame treating.
- **Flame Position:** Hold the flame so the tip of the outer blue envelope just touches the surface of the base material.
- **Exposure Time:** Pass the flame over the surface for about 1-2 seconds.
- **Caution:** Avoid overexposure- too much flame can soften or deform the plastic and cause failures.
- **Reminder:** Flame treating is **NOT** heat treating.
- **Timing:** Apply epoxy the same day base is flame treated.

EPOXY APPLICATION

- Use the coverage rates listed above.
- Apply adhesive to both the base of the marker and the surface.
- Position the marker so it is properly aligned.
- Ensure epoxy completely covers the perimeter of the marker and all bolt holes.

Note: Do not step on markers after placing adhesive. Simple hand pressure only is enough to ensure proper bonding. Protect the area from traffic until adhesive is fully set. Excess pressure may squeeze out too much adhesive, reducing performance.



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MARKER ADHESIVE CURE TIME GUIDE

Temperature °F (°C)	Set Time (Hrs)
110° (43.3°)	¼ to ½
100° (37.8°)	½ to ¾
90° (32.2°)	1 hr - 1-½ hrs
80° (26.7°)	1-½ - 2-¼ hrs
70° (21°)	3 - 4 hrs
60° (15.6°)	4 - 5 hrs
50° (10°)	6 - 7 hrs

FOR BEST RESULTS

- Do **NOT** apply when the road surface or air temperature is below 50°F (10°C).
- Only apply when both road surface and air temperature are above 50°F (10°C) and expected to stay above 50°F (10°C) for at least 24 hours after application.
- If applying in cooler conditions, precondition the material to approximately 77°F (25°C) before use.
- Do not thin, solvents will prevent proper cure.
- Moisture passing through substrate by pressure during application will cause bond failure.
- Store materials at 70° - 90° for 24 hours prior to use.

TEMPERATURE CONSIDERATIONS

Surface and ambient temperatures are often beyond the control of the applicator, but their effect on the product should always be considered. When stored between 80° and 90°F (27°–33°C), the product will thin slightly, making it easier to hand-mix. Warmer product temperatures will result in a slightly shorter pot life and a faster setting time. At temperatures below 70°F (21°C), the product thickens quickly into a heavy paste, making it more difficult to mix. While this provides a longer working time, it also results in a much longer setting time. For best results, use automatic metering and mixing equipment when available. This equipment can warm the product to approximately 110°F (43°C), automatically meter the correct proportions, and ensure thorough, consistent mixing.