

# SNOWPLOWABLE MARKERS

## INSTALLATION INSTRUCTIONS

This procedure outlines the recommended steps for the installation of the Stimsonite Models 96LP/ 96LPS & 101/101LP/101LPS/101LPCR Snowplowable Raised Pavement Markers.

**Note: Do not install markers unless air temperature and humidity are within the specifications outlined by the epoxy manufacturer.**

### Determine where to locate the marker.

Locate the Snowplowable marker so that the reflective face is perpendicular to the roadway centerline. When using Snowplowable markers to supplement a solid pavement stripe, offset the markers 2" from the edge of the stripe. When using Snowplowable markers to supplement a dashed stripe, locate the marker in the center of the gap and in line with the pavement stripe. This permits painting of the line without affecting the Snowplowable marker. **DO NOT** locate Snowplowable markers in longitudinal or transverse pavement joints or in cracks in the pavement surface. Place the marker at least 2" from any joint or crack in the pavement surface.

**Cut the pavement to fit the marker. NOTE: Markers must be installed in a new saw cut. Never attempt to re-use an existing hole that previously held a marker.**

Cut the pavement to match the bottom contour of the marker. A single plunge cut using a stack of 18" diameter concrete saw blades, bordered by 20" diameter blades, is required. Using the marker as a gauge, inspect each cut for proper fit:

- The cut should have approximately 1/8" clearance (side to side movement.)
- All four leveling lugs must contact the pavement.
- The leading edge of the casting must lie below the pavement surface.

### Clean and dry the saw cut.

The saw cut area **MUST BE DRY** and free of dust, dirt or any material which will adversely affect the bond of the adhesive.

### Apply epoxy adhesive.

Combine and mix Stimsonite or other epoxy (meeting AASHTO Designation M 237, Type IV) just prior to anchoring the markers. Automatic dispensing equipment is recommended. Hand mixing should be limited to very small projects. When using Stimsonite epoxy, combine equal parts of component A and component B. Mix thoroughly. Properly mixed, the epoxy will be uniform gray, without visible streaks. (Follow manufacturer's instructions for other approved epoxy.) Pour the epoxy into the outer two grooves and the cut area between them. Fill to within 3/8" of the pavement surface. At this level, some adhesive should overflow around all edges of the installed casting to seal the saw cut area.

**Caution: Epoxy adhesive cures best at temperatures above 60° F (15.5° C) and low relative humidity. Always follow epoxy manufacturer's guidelines for use.**

### Place the marker.

Place the marker by hand into the epoxy-filled saw cut. Note: It is critical that all four leveling lugs are resting directly on the pavement, and the leading edges of the rails are below the pavement surface. If this is not the case, then the installation is improper and the marker must be removed and reinstalled in a new saw cut. Make certain that the epoxy does not flow onto the reflective face or the plate in front of it. Protect markers from traffic until the epoxy completely hardens.