
Surface Mount Base Assembly Instructions:

Overview:

The Surface Mount Base will come to you as an unassembled kit. You will receive a cored out Fluorescent Yellow Green Base and a single 9" long reaction rod. Assembly is a snap.

The kit will contain:

- 1 Cored out Florescent Yellow Green base
- 1 9" Reaction Rod

You will need to supply a hammer



Assembly Instruction:

Follow the standard installation instructions as outlined below. Not all mounting systems are approved for this system. Permanent or high strength mounting systems are required, temporary systems do not work and are not recommended.

A) Installation using 2-part Epoxy

- 1) Adhesive will adhere well to most clean, dry and well unified surfaces. Ideal application temperature is 50° to 100° degrees F. All surfaces must be free of dust, dirt, oil and moisture.
- 2) Wipe the spot on which the post will be placed.
- 3) Mix equal parts A & B of standard road marker epoxy and apply evenly 1/8 inch thick to the base.
- 4) Place base onto the roadway and **apply firm downward pressure** for five (5) seconds.
- 5) Let rest per epoxy's curing time.
- 6) Posts should be protected from traffic for a minimum of one (1) hour after installation.

Limitations of Adhesive System

- 1) Bond strength is dependent upon the amount of adhesive-to-surface contact developed. Firm application pressure develops better adhesive contact and thus improves bond strength.
- 2) Moisture on roadway surfaces will inhibit bonding of the adhesive.
- 3) Insufficient pressure will not allow the adhesive to bond properly.

Placing the post incorrectly could result in adhesive failure!

B) Anchor Bolts (RECOMMENDED MOUNT SYSTEM)

- 1) Using a standard hammer drill and 3/8" SDS bit, drill holes through the holes in each base approx. 4" into asphalt pavements (2 1/2" into concrete pavements).
- 2) Insert proper length anchor bolt through holes in the base. Using an impact wrench, drill the bolt into the hole in the pavement. Begin tightening the bolt by applying slight downward pressure when engaging the first few threads.
- 3) Continue tightening until the head is firmly seated; do not over-tighten the bolt.

C) Rubber Base Portable Assembly

1) The rubber base will come preassembled except for the reaction rod being installed; they do not ship well with the rod in place.

Installation of Reaction Rod:

The installation of the reaction rod requires no glue or extra tools, simply a hammer and the reaction rod itself. The base has been cored slightly smaller than the reaction rod diameter; the ribs on the rod allow for the rod to compress and create a friction fitting. The rod can be removed, but not easily.



Step 1. Align the rod over the opening in the base, it should not slide into the hole.

Step 2. Using the hammer tap the rod into place; the rod will conform to the hole.

Step 3. Make sure that the rod has bottomed out; the rod will enter the base approximately 1”

Step 4. Install sign assembly in base and install nylon locking pins.

