



## **Davidson FG 300 Channelizer Posts & Bases Installation Procedures**

### **A) Installation Using 2-part Epoxy, Hot-melt Bitumen, or 1-part Urethane Adhesive 795A**

- 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) Assemble posts and bases together with quick release pins provided. 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 FG 300 base. Single-component hot melt bitumen or urethane Adhesive 795A may also be used.
- 4) Place FG 300 post & base assembly onto the roadway and **apply firm downward pressure** for five (5) seconds. Flat front or curved back side of post should face oncoming traffic.
- 5) After application bond strength increases & achieves ultimate strength after 72 hours at 70° F.
- 6) Posts should be protected from traffic for a minimum of one (1) hour after installation.

### **B) Temporary Mounting Using Butyl Adhesive Pad**

- 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) Assemble posts and bases together with quick release pins provided. Wipe the spot on which the post will be placed.
- 3) Remove one side of release paper from butyl pad and apply centered on base. Press firmly onto base. Remove second side of release paper; base is now ready for installation on the road.
- 4) Press base onto desired location on road and apply **apply firm downward pressure** for five (5) seconds. Flat front or curved back side of post should face oncoming traffic.
- 5) Posts are now ready for traffic.

### **C) FG 300 Anchor Bolts**

- 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) Blow the bolt holes and area below the base clean of dust, rocks or other material.
- 3) 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.
- 4) Continue tightening until the head is firmly seated; do not over-tighten the bolt.

### **D) 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!**

### **E) Important Notice To Purchaser**

The following is made in lieu of all warranties, expressed or implied, including the implied warranties of merchantability and fitness for purpose: Seller's and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective. Before using, user shall determine the suitability of the product for its intended use, and user assumes all risk and liability whatsoever in connection therewith. Neither manufacturer nor seller shall be liable either in tort or in contract for any loss or damage, direct, incidental, or consequential, arising out of the use of or the inability to use the product.