

To assemble post and base:

1. Mount post over riser on base and insert two (2) hex bolts (1/4"-20 x 2-1/2") through the post. Attach a Nyloc nut to each bolt and tighten to secure the post to the base.
2. If sign or vertical panel is attached to post, the post must be removed from base prior to the Boomerang reboundable base with fixed base plate being anchored to the surface.

Please note the following prior to installation:

1. Posts that are to be mounted on the ground with adhesives require a clean surface prior to installation. Make sure all dirt, dust (even fine dust), rocks, and/or gravel have been cleared from the surface. For best results after sweeping, use compressed air to blow any fine particles from the surface. If surface is wet, it is always recommended to torch surface to remove moisture. The bottom of the base should also be clean of any dust prior to installation.
2. When dealing with any sort of epoxy or bitumen, use gloves at all times during mixing and installation. When using epoxy, Types A and B are to be mixed 50/50 prior to installation. Bases manufactured by Three D Traffic Works, Inc. do not require flame treating.
3. Units are to be spaced evenly according to specifications required by the instructions or manuals for each individual user, contractor, city, state or federal agency.

To install unit (assembled):

1. Using epoxy: Submerge bottom of base into pre-mixed epoxy. Do not fill inside cavity of base with epoxy; only apply material to bottom ribs. Turn once left, turn once right to allow epoxy to ooze into holes in base, and then remove from mixture. Mount unit to prepped surface.
2. Using bitumen: Kettle temperature for Bitumen varies and should be mixed according to the manufacturer's recommendation to assure the Bitumen "stands up" when poured. This will allow the Bitumen to penetrate the holes on the TD5200 Base. Place bitumen on cleaned surface and mount unit onto the bitumen. Make slight turn once left then back right to remove air bubbles and allow bitumen to ooze into holes in base. Do not fill inside cavity of base with bitumen. Be sure to align base with arrows facing traffic.

3. Using Peel-n-Stick (butyl) pads: Remove tape from one side of pad, place on the road surface and apply pressure on top of pad. Remove tape on top side once pad has been adhered to surface before mounting unit on the ground. Align base with arrows facing traffic and push onto surface by applying pressure to the base to ensure bonding. Apply firm pressure. Too much pressure applied to base will cause the base to contact the surface directly and lessen the bond.
4. Using Bolt-Down Installation: (Use at least 4 anchors per base unit)
 - a) Our recommended anchor for each unit consists of 4 each of the following:
 - i. 2-½" x ½" dual-lead thread hex head concrete anchor (4" x ½" asphalt anchor)
 - ii. 9/10" diameter metal washer
 - b) Place Boomerang flexible base into bolt-down plate assembly on surface, and align the desired position (direction you want the post/sign to face).
 - c) Using the base plate as a template, mark the four (4) holes to establish the pattern for drilling.
 - d) Drill four (4) holes 2-½" deep using a standard hammer drill and ½" SDS bit. (4" deep holes for asphalt installations). Blow holes and clean surrounding area under base.
 - e) Put washer onto the anchor. Insert anchor through holes in base. Use ¾" impact wrench to tighten anchor into the hole in the pavement. Continue tightening until anchor is firmly seated, careful not to over tighten screws.