



# TAMING THE URBAN JUNGLE

## Gorilla Post System Installation Instructions – Magnetic Posts & Bollards

Congratulations on your recent purchase of the Gorilla Post System. The system components include the metal mounting base plate, epoxy to permanently attach the plate to the concrete or asphalt subsurface, the post or delineator and the removal tool.

Use proper safety precautions and equipment including protective gloves and eyewear during installation. See Terms & Conditions

### Metal Mounting Base Plate Installation onto Asphalt

1) Use 60 Grit sandpaper to lightly sand the back side (the side without any writing) of the plate. (image 1-A)

2) Place a 1" x 1" piece of strong, sticky tape on the back side of plate so that the large center hole is completely covered. (image 1-B)

3) Position the plate where you will want the plate permanently attached. Use a marking pen to mark the 2 smaller holes in the plate. These marks will indicate where to use a roto-hammer drill with 1/2" diameter bit to create holes that are 2" deep. Move the plate out of the way and drill the 2 holes. Make sure each hole is deep enough for the lag sleeve to be inserted so is completely below the surface of the asphalt. (image 1-C)

4) Read the instructions that ships with the epoxy and follow those directions. Prepare epoxy. Place epoxy into each 2" deep hole so is half full of epoxy. (image 1-D)

5) Press a lag sleeve into each hole making sure the sleeve is just below the surface of the asphalt. Add a bit of epoxy in the lag sleeve. (image 1-E)

6) Place about 1 ounce of epoxy onto the backside of the plate while being careful to avoid the center hole. (image 1-F)

7) Carefully place the plate so the 2 smaller holes in the plate align with the 2 holes that contain the lag sleeves. (image 1-G)

8) Use a screwdriver to insert the stainless steel screws through the holes in the plate into the lag sleeves. (image 1-H)

9) The heads of the screws should not be sticking above the surface of the plate or this will prevent the magnetic base of the post or bollard from properly coupling onto the plate. Wait at least 24 hours before placing a post or bollard on a plate. Refer to directions that accompany the epoxy for the suggested time to wait. (image 1-I)



image 1-A

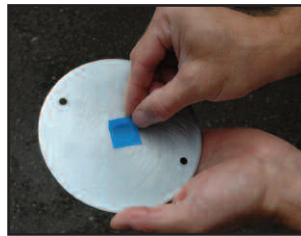


image 1-B



image 1-C



image 1-D



image 1-E



image 1-F



image 1-G



image 1-H



image 1-I

### Metal Mounting Base Plate Installation onto Concrete

1) Use 60 Grit sandpaper to lightly sand the back side (the side without any writing) of the plate. (image 2-A)

2) Place a 1" x 1" piece of strong, sticky tape on the back side of plate so that the large center hole is completely covered. Prepare epoxy. Place epoxy into each 2" deep hole so is half full of epoxy. (image 2-B)

3) Place about 1 ounce of epoxy onto the backside of the plate while being careful to avoid the center hole. (image 2-C)

4) Carefully place the plate into position. Wait at least 24 hours before placing a post or bollard on a plate. Refer to directions that accompany the epoxy for the suggested time to wait. (image 2-D)



image 2-A

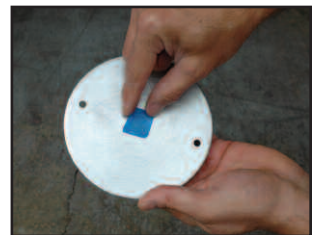


image 2-B



image 2-C



image 2-D

## Preparing Epoxy for Installing the Base Plate: The Epoxy System Kit option

1) Using the Epoxy System Kit. The kit includes the gun with piston, disposable epoxy cartridge and disposable nozzle. The epoxy system kit will install around 20 plates and the reusable gun can be used with replacement cartridges to put down additional plates. Follow manufacturer's instructions which may change and differ from the following suggestions and illustrations. (image 3-A)



image 3-A

2) Pull the pressure plunger outwards. (image 3-B)



image 3-B

3) Make sure the pressure plunger is fully extended. (image 3-C)



image 3-C

4) Rotate the piston and lift it out of the gun. (image 3-D)



image 3-D

5) Insert the disposable cartridge in the piston. (image 3-E)



image 3-E

6) Place the piston with the cartridge back into the gun by rotating the piston. (image 3-F)



image 3-F

7) Remove the cap from the cartridge. (image 3-G)



image 3-G

8) Install the disposable nozzle onto the cartridge. (image 3-H)



image 3-H

9) Pull the gun's trigger until the pressure plunger presses against the cartridge causing epoxy to flow down the nozzle. Discard the first 2 squirts of epoxy.



image 3-I

The epoxy is ready to be used. The epoxy mixes as it flows down the nozzle. The epoxy will set in the nozzle so if the cartridge is not completely used, be sure to order spare nozzles for subsequent use of a single cartridge. Do not discard the piston when you discard the cartridge. Do discard the nozzle. (image 3-I)

## Preparing Epoxy for Installing the Base Plate: The Epoxy Disposable Unit option

1) Using the Epoxy Disposable Unit. The epoxy disposable unit includes the disposable cartridge and disposable mixing/spreading stick. The epoxy system is a disposable unit that will install 1 or 2 plates. Follow manufacturer's instructions which may differ from the following suggestions and illustrations. (image 4-A)



image 4-A

2) Use a marker to note the halfway point of the cartridge. This indicator will allow you to properly divide the epoxy for use with 2 plates. (image 4-B)



image 4-B

3) Remove the tab that blocks the plunger from moving and set aside. The tab also functions as a cap if you are only using half the epoxy. (image 4-C)



image 4-C

4) Cut away the end of the cartridge. (image 4-D)



image 4-D

5) Push the plunger into the cartridge until you reach the indicator mark you made earlier. Use scrap cardboard or the backside of the base plate to hold the epoxy as you prepare to mix the epoxy. (image 4-E)



image 4-E

6) Stir the epoxy for 2 minutes in concentric circles taking care not to spread the epoxy too far. The epoxy is ready to be used. (image 4-F)



image 4-F

7) Use the mixing stick to apply the epoxy. (image 4-G)



image 4-G

## Preparing Post or Bollard for use with Base Plate and Placing onto the Base Plate

- 1) Remove the plastic cover that attaches to the underside of the magnetic base during shipment. Keep the cover if you plan to store the post at a later time. (image 5-A)
- 2) Once the base plate's epoxy has fully cured, the post or bollard can be lowered onto the plate. The magnetic pull is very strong and will be felt when the base is still about 4" above the plate. The post or bollard should couple to the plate so that the center bolt in the magnetic base is resting in the center hole of the base plate. If you push the post or bollard a few inches off center and the magnetic base rocks, remove the post or bollard with a removal tool and lower onto the plate again until the magnetic base does not rock. (image 5-B)



image 5-A



image 5-B

## Using the Removal Tool to Free the Post from the Plate: The Hand-Operated Tool Option

- 1) Identify any one of the four tool access points molded into the black rubber cover. (image 6-A)
- 2) Guide the tool tip into the access point. (image 6-B)
- 3) Use your foot to ensure the tool tip is firmly inserted into the access point and to keep pressure on the tool tip. (image 6-C)
- 4) Grasp the top of the post to pull the top of the post toward you 12" then pull the top of the tool towards you until the post pops off the round metal base plate. (image 6-D)



image 6-A



image 6-B



image 6-C



image 6-D

## Using the Removal Tool to Free the Post from the Plate: The Foot-Operated Tool Option

- 1) Identify any one of the four tool access points molded into the black rubber cover and guide the tool tip into the access point. (image 7-A)
- 2) Use your hand to ensure the tool tip is firmly inserted into the access point. (image 7-B)
- 3) Grasp the top of the post to pull the top of the post toward you 12" then place your foot on the flat portion of the tool and crisply step downwards in one smooth motion. The post will pop off the round metal base plate. (image 7-C)



image 7-A



image 7-B



image 7-C

## Installing an optional Sign Holder onto Post

- 1) Partially insert the 4 threaded screws toward the large end of the adapter making sure each screw's opening is facing out. (image 8-A)
- 2) Lower the adapter onto the top of the post. (image 8-B)
- 3) Use the special hollow Allen wrench to fit into the open end each of the four screw and tighten so the screws firmly set into the post. (image 8-C)
- 4) Partially insert 2 threaded screws into the rail at the top of the adapter. Each screw should be so the opening is facing out of the small hole on each side of the adapter's rail. (image 8-D)
- 5) Lower the aluminum sign weighing up to 1.6 pounds into the slot in the rail and use the hollow Allen wrench to tighten the 2 screws so the sign is held firmly. If the sign does not fill the width of the rail's gap causing the sign to be slightly askew, you can devise a spacer such as a small metal washer to put between the screw and the sign. (image 8-E)



image 8-A



image 8-B



image 8-C



image 8-D



image 8-E

## Installing an optional Loop Cap into Post

- 1) Start with the open end of the post. If the post has a regular black cap in place, remove the cap using a screwdriver to pry the cap loose. (image 9-A)
- 2) Lower the adapter onto the top of the post so is partially inserted. Use a rubber mallet to push the loop cap so is flush. (image 9-B)



image 9-A



image 9-B