

# Dura-Post® Surface Mount Base Placement Using Screw Anchors & Grout

## TOOLS & MATERIALS

- Rotary hammer drill
- Pipe brush for Ø3/8" hole
- Powers Fasteners 3/8" x 10" Wedge-Bit™
- Hilti HIT-HY 200-R adhesive grout and dispensing gun
- 9/16" socket wrench (powered or hand tool)
- 3/8" x 2 1/2" to 4" Bolt (2)
- Powers Fasteners Wedge-Bolt®+, 3/8" X 6" (3 per base)
- Hammer
- Compressed air

**FOLLOW ALL SAFETY PRECAUTIONS AS DESCRIBED IN THE EQUIPMENT OWNERS MANUAL**



**Step 1:** Position the base so that the arrow is pointing towards oncoming traffic. Using the base as a template, drill Ø3/8" holes to a ground depth of 6" (+1/4", -0"). After the first hole is drilled place a Ø3/8" bolt partially in the hole to help prevent the base from moving while drilling the next hole. Repeat drilling process for third hole.



**Step 2:** Clean the holes using the pipe brush and compressed air. Ensure the holes are free of debris and moisture. Remove all dust and debris from the base site.

**Consult OSHA respiratory standards for crystalline silica exposure.**



**Step 3:** Dispense grout into the holes. Starting with the dispensing tube at the bottom of the hole, work the dispensing tube tip up until the hole is filled to about 1/4" below grade.



**Step 4:** Position the base over the holes and immediately place the anchors in the holes while the grout is still wet. Tighten screws until snug, but do not over tighten.

[°C]	[°F]	Cure Times	
		t <sub>work</sub>	t <sub>cure</sub>
-10...-5	14...23	3 h	20 h
-4...0	24...32	2 h	8 h
1...5	33...41	1 h	4 h
6...10	42...50	40 min	2.5 h
11...20	51...68	15 min	1.5 h
21...30	69...86	9 min	1 h
31...40	87...104	6 min	1 h

**Step 5:** Allow the grout to cure before placing the delineator into service.



**Step 6:** Place the Dura-Post into the base socket and install the securing pin.

**IT IS THE RESPONSIBILITY OF THE INSTALLER TO MAINTAIN A SAFE WORK AREA INCLUDING THE USE OF STANDARD WORK ZONE SAFETY EQUIPMENT & PPE: GLOVES, SAFETY-TOE SHOES, EYE & EAR PROTECTION**