
REPLACEABLE BARRIER MARKER

INSTALLATION INSTRUCTIONS

The following instructions are meant to familiarize workers with the proper installation procedures of SAFE-HIT Barrier Markers using expansion anchors or quick drying epoxy.

Worker safety and the use and proper handling of tools and equipment are paramount and should be followed at all times. The use of personal protection devices such as eye, hearing protection and gloves is recommended at all times.

The following components are required with each type of base attachment system.

Expansion Anchor Attachment

Barrier Marker Post
Barrier Marker Base (RBA)
Hardware Sets:
 Expansion Anchor
 Hex Bolt
 Lock Washer
 Flat Washer

Quick Set Epoxy Attachment

Barrier Marker Post
Barrier Marker Base (RBM)
Epoxy Kit (SH-13):
 Part A Epoxy
 Part B Hardener
 Mixing Bowl
 Stir Stick

The following tools are recommended for proper Barrier Marker installation:

Expansion Anchor Installation
Electrical Power Source (110V)
Extension Cord (100')
Rotary Hammer Drill w/Depth Gauge
Carbide Tipped Drill Bit (1/2" x 6")
Compressed Air or Blowout Bulb
Hammer (2-1/2 lb.)
Anchor Setting Tool
Ratchet Wrench (1/2" drive)
9/16" Socket (1/2" drive)
Torque Wrench (1/2" drive)
Roll Pin Pilot Punch (1/4")

Quick Set Epoxy Installation
Whisk Broom



SAFE-HIT, 35 EAST WACKER DRIVE, SUITE 1100, CHICAGO IL 60601
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INSTALLATION PROCEDURE USING EXPANSION ANCHORS

1. Mark the drill locations in the concrete barrier for the anchor holes.
2. Set the depth gauge on the Rotary Hammer drill to 1-9/16".
3. Drill the holes with the Rotary Hammer Drill using a 1/2" diameter, 6" long carbide tipped drill bit to a depth of 1-9/16 inches.
4. Blow out the holes and clean off the top of the barrier wall using compressed air or a blow out bulb.
5. Place the anchor into the hole. Using the hammer and anchor setting tool, drive the setting tool into the anchor until the setting tool shoulder meets the top of the anchor.
6. Place the RBA base over the anchor position so the locking pins are oriented perpendicular to the direction of traffic. Using the lock and flat washers with the hex bolt, tighten the bolt and torque 20 to 25 foot pounds.
7. Insert the Barrier Marker Post into the slots in the base. Drive the pre-installed roll pins into the opposite side of the base using a hammer.

INSTALLATION PROCEDURE USING QUICK SET EPOXY

1. A clean dry surface is required for optimum adhesion.
2. Pull the outer caps of each of the epoxy components pre-measured tubes. Using the stir stick, push on the embedded cap of each component and force the contents into the mixing bowl.
3. Stir until the epoxy is completely mixed and is consistent in color.
4. Apply the epoxy evenly to the bottom of the base using the stir stick.
5. Press the RBM base down firmly on the barrier surface until a bead of epoxy appears around the edge. Insure the base is positioned correctly so the locking pins are oriented perpendicular to the direction of traffic.
6. Allow the epoxy to cure approximately one hour before installing the Barrier Marker Post into the base (Allow extra time for cold weather). After the epoxy hardens insert the Barrier Marker Post into the slots in the base. Drive the pre-installed roll pins into the opposite side of the base using a hammer.

If you have any questions please contact our Customer Service Department at 1-800-537-8958.



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