Safe-Hit® Surface Mount Instructions for Placement on Asphalt or Concrete with Epoxy

**TOOLS & MATERIALS**
- Hammer
- 1/4" No. 8 Punch Pin (PN 116560)
- SAFE-HIT® Epoxy Kit (PN 603538) (one kit per base)
- Broom, Blower, or Compressed Air

**BLOW OR SWEEP**
- Clean area of debris with blower or broom

**Remove cap from one end of both tubes**

**Use mixing stick to push epoxy into container**
- Thoroughly mix both parts to a solid gray consistency with no black or white streaks

**Apply epoxy evenly to bottom of base with stir stick**

**Place base on ground with the arrows facing the direction of traffic**

**Allow the epoxy to set up, then place the post into the base and tap pins till flush with base (see note)**

**Use punch tool to seat pins into base**

**Completed Safe-Hit® Post**

**Note:** Allow epoxy to set up for one (1) hour at 80°F (26°C) or longer if cooler before placing the post into the base. Do not apply the epoxy when the ambient temperature is below 41°F (5°C) or above 104°F (40°C). The epoxy is easiest to work with at a temperature of 80°F (26°C).

*USE STANDARD PERSONAL PROTECTIVE EQUIPMENT: GLOVES, SAFETY-TOE SHOES, EYE & EAR PROTECTION*
Safe-Hit® Surface Mount Instructions for Placement on Asphalt or Concrete with Butyl Pad

Note: Surface Mount Pin Lock Base (SMA) shown. Procedure is the same for the Surface Mount Twist Lock Base (SMT).

TOOLS & MATERIALS
- Hammer
- 1/4” No. 8 Punch Pin (PN 116560)
- Butyl Pad, Gray or Black (PN 113844 or 113843)
- Broom, Blower, or Compressed Air

Sweep or blow area of debris

Sweep or blow area of debris

Peel one side of Pad

Place base on exposed (sticky) side of Pad

Peel other side

Place newly exposed side with arrows oriented with the direction of traffic

Park a vehicle wheel on top of the base for 15 seconds

Place post in base and drive pins into place to secure post

Complete driving the pins using a pin punch

Completed SAFE-HIT® Post

Note: For optimal performance, the recommended minimum temperature is 50°F.

USE STANDARD PERSONAL PROTECTIVE EQUIPMENT: GLOVES, SAFETY-TOE SHOES, EYE & EAR PROTECTION
SMA/SMT Base Placement Using Lag Shield Anchors in Asphalt or Drop-In Anchors in Concrete

**RECOMMENDED TOOLS & MATERIALS**
- SMA or SMT Base
- Lag Anchor Kit (PN 611073) or Drop-In Anchor Kit (PN611071)
- Anchor setting tool (117800)
- Hand Drill or Drill Press and 25/64” Drill Bit
- Rotary-Hammer Drill
- 1/4” Carbide Drill Bit or 1/4” Large Nail or Spike
- 5/8” Carbide Drill Bit for Lag Shield Anchors
- 1/2” Carbide Drill Bit for Drop-In Anchors
- 5/8” or 1/2” Stiff Bristle Tube Brush
- 9/16” Socket Wrench
- 1/4” Punch Pin
- Compressed Air with Nozzle

**SAFE-HIT® Post**

**Lag Anchor Kit with SMA Base**

**Drop-in Anchor Kit with SMT Base**

**Use 25/64” drill to complete starter holes in base**

**Use spike or 1/4” carbide drill to mark hole locations**

**Drill 5/8” X 2 1/2” deep for Lag Shield Anchors and 1/2” X 1 5/8” deep for Drop-ins**

**Use appropriate brush and compressed air to clear hole**

**Place Anchor(s) in hole(s) and tap in with hammer**

**Seat Drop-in Anchors with anchor setting tool**

**Secure base to concrete or asphalt with socket wrench and bolts**

**Place post in base and drive pins into place to secure post**

**Complete driving the pins using a pin punch**

**Completed SAFE-HIT® Post**

**USE STANDARD PERSONAL PROTECTIVE EQUIPMENT:**
GLOVES, SAFETY-TOE SHOES, EYE & EAR PROTECTION
Safe-Hit® SST Sub-Surface Twist Lock Base or Safe-Hit® SLT Sub-Level Twist Lock Base

**RECOMMENDED TOOLS & MATERIALS**
- 4" Diamond Core Cutting Bit
- Rotary-Hammer Drill
- Hammer
- Chisel / Crowbar
- Compressed Air with Nozzle
- Stiff Bristle Brush
- Safe-Hit® Epoxy Kit (PN 603538) (one kit per base)
- Base, Twist Lock, Sub-Surface SST (PN 605016) or
- Base, Twist Lock, Sub-Level SLT (PN 605015)

**RECOMMENDED TOOLS & MATERIALS**

Drill 4" hole X 1 7/8" deep for SST
Drill 4" hole X 2" deep for SLT

**Thoroughly mix both parts to a solid gray consistency with no black or white streaks.**

**Note:** Allow epoxy to set up for one (1) hour at 80°F (26°C) or longer if cooler before placing the post into the base. Do not apply the epoxy when the ambient temperature is below 41°F (5°C) or above 104°F (40°C). The epoxy is easiest to work with at a temperature of 80°F (26°C).

**USE STANDARD PERSONAL PROTECTIVE EQUIPMENT:**
GLOVES, SAFETY-TOE SHOES, EYE & EAR PROTECTION