



## Flat Top Surface / TSM Surface Mount (TSM) Delineator Material Specifications

### 1) Design

The channelizer post shall consist of a 2.375" diameter plastic tube, with a installed top cap to prevent debris from entering the post. All channelizer posts shall be capable of sustaining a minimum of ten (10) bumper and direct wheel-over impacts at 55 MPH (94 km/h) without damage to the post or the reflective sheeting applied to the post when tested to NTPEP test protocols. All posts shall be easily replaceable. The post uses an internal hinge that is mounted to the lower 3" of the post to aide in rebound when impacted. Posts are available round or flat-top.

### 2) Black Base

Surface mount base is black in color, it can be installed using butyl, epoxy or bolts to the roadway depending on user preference. The hinge at the bottom of the post is held in place with a single pin.

### 3) Standard Colors

Channelizer posts and bases shall be constructed of UV-stabilized polymers and colors. The color shall be solid throughout and stabilized to resist UV degradation. Standard colors include, white, yellow and orange for the post body.

### 4) Reflective Sheeting

All posts shall have retro-reflective sheeting applied.

- Round posts will have a minimum of two 3" wraps of tape applied as per the MUTCD guidelines.
- Flat top posts will be supplied with a single 3"x12" piece of tape applied to the front of the post. The post can have a second piece of tape applied to the back side of the post as well.

### 5) Lengths

Channelizer posts shall be available in a variety of lengths, as specified in the construction plans or procurement details. 36" is the standard height.

### 6) Packaging

Channelizer posts and bases shall be packaged in boxes of 25 pieces.

### 7) Identification

All channelizer posts shall be clearly marked with the name of the manufacturer, model number and the date produced.



8) NCHRP 350 / Compliance

The channelizer posts shall be fully crash-tested by an A2LA-certified testing facility and meet requirements for **Category 1** devices as specified in **NCHRP Report # 350**. Test reports and self-certifications to these standards must be supplied by the manufacturer upon request.

The channelizer posts shall be low-mass tubular markers with no attachments to the device, shall be fully crash-tested by an A2LA-certified testing facility and comply with requirements of MASH-16. Test reports and self-certifications to these standards must be supplied by the manufacturer upon request.

9) Quality

The channelizer posts and bases shall be manufactured by an ISO 9001 certified firm in good standing; evidence of ISO compliance shall be presented as a pre-condition for acceptance for use.

10) Manufacturer

The device above is manufactured by Pexco LLC, Davidson Traffic Control Products, Asheboro, North Carolina, USA, phone (253) 284-8000, email [hwysales@pexco.com](mailto:hwysales@pexco.com).