



## Type III Barricade with PSST Uprights & Feet Material Specifications

### 1) Design

The Barricade Panel shall be a minimum of 8.200 inches wide, 0.835 inches tall, comprised of two flat surfaces to accommodate application of retro-reflective sheeting, supported by seven (7) internal I-beams, and made of high-impact polyolefins conforming to the following material specifications:

Property	ASTM Test	Results
Specific Gravity (min.)	D 1505	0.95
Hardness (min.)	D 1525	60 D
Tensile Strength, PSI @ break	D 638	5,000
Elongation @ break, %	D 638	800
Flexural Stiffness	D 638	100,000
Low Temperature, Brittleness Point	D 746	- 76 degrees F

### 2) Vertical Uprights

The vertical uprights in the assembly are 14-gauge galvanized perforated square steel tubing (PSST) 1.75" x 5' or 5'4" in length depending upon if a light is to be attached or not.

### 3) Footings

The footings of the barricade assembly shall be 2" x 14-gauge galvanized PSST square tube steel 6-feet in length, with a welded 6" vertical sleeve into which the 1.75" upright fits.

### 4) Materials and Color

T3B panels shall be constructed of UV-stabilized polymers and colors. The color shall be solid throughout and stabilized to resist UV degradation.

### 5) Lengths

Barricade panels shall be available in lengths of 4, 6, 8, 10 and 12 feet.

### 6) Packaging

T3B panels shall be packaged in pallets of 225 pieces.



7) NCHRP 350 Acceptance

The complete barricade assembly shall be fully crash-tested and meet requirements for **Category 2** devices as specified in **NCHRP Report # 350**. All barricade products shall have the acceptance of the U.S. Department of Transportation, Federal Highway Administration. Certifications of acceptance to these standards must be supplied upon request.

8) MASH-16 Compliance

The complete barricade assembly shall be fully crash-tested by an A2LA-certified testing facility and meet requirements for Test Level 3 devices as specified in **Manual for Assessing Safety Hardware (MASH) 2016**. Test reports and certifications of compliance with these standards must be supplied by the manufacturer upon request.

9) Quality

The barricade panel 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, Tacoma, WA USA, phone (253) 284-8000, facsimile (253) 284-8080, email [hwysales@pexco.com](mailto:hwysales@pexco.com)