



## Temporary Pedestrian Access Route (TPAR) Barricade Material Specifications

The Temporary Pedestrian Access Route (TPAR) Barricade shall consist of the following component parts:

- 8-inch Wide Horizontal Panels
- Reflective and/or contrast sheeting applied to the panels (optional)
- Upright legs
- Assembly hardware
- Steel bases
- Corner Hinges (optional)

### TPAR Barricade Panels

#### 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 retroreflective sheeting, supported by seven (7) internal I-beams, and made of high-impact poly-olefins 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) Materials and Color

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

#### 3) Retroreflective / Contrasting Sheeting (Optional)

Option A) TPAR panels facing vehicle traffic shall have ASTM Type IV orange/white pre-striped retro-reflective tape 7.75-inches wide along the entire length of each panel, as specified.

Option B) TPAR panels facing pedestrian traffic shall have contrasting alternating black-on-yellow contrast sheeting 6-inches wide along the entire face of each panel for enhanced visibility for the visually impaired, as specified.

#### 4) Lengths

TPAR panels shall be available in standard lengths of 4 and 6 feet. Longer lengths shall be available by special order.

#### 5) Factory Drilled

TPAR panels shall be factory pre-drilled for quick & consistent assembly.

### TPAR X-Tube Upright Legs

#### 6) Design

The TPAR Barricade Upright shall be 1.750 inches square, comprised of four (4) 0.110" thick outside walls defining a square tube, supported by two (2) 0.055" thick internal reinforcing crossbeams extending corner to corner, conforming to the following material specifications:

Property	ASTM Test	Results
Specific Gravity (min.)	D 792	1.45
Hardness (min.)	D 2240	80 Shore D
Tensile Strength, PSI @ yield	D 638	6,000
Elongation @ break, %	D 638	800
Flexural Modulus (min.)	D 790	400,000
Notched Izod Impact Strength (73°, 1/8")	D 746	23 ft-lbs/inch

#### 7) Materials and Color

X-tube uprights shall be constructed of a UV-stabilized, outdoor-grade rigid engineered polymer and color. The color shall be solid white throughout and stabilized to resist UV degradation.

#### 8) Lengths

X-tube uprights for the TPAR shall be 35-inches in length.

#### 9) Mounting Holes

X-tube uprights shall be pre-drilled to facilitate rapid assembly of complete barricade units. The 35" inch leg shall be drilled with a hole at the base to allow attachment to barricade feet with a quick release pin, and six (6) 1/4" holes in the upper section to allow attachment of three panels; the middle two holes are for an optional third TPAR panel.