

Davidson Traffic Control Products

Options and Instructions for TOMTM Temporary Overlay Markers



Available Options for the TOM

TOMs come in standard colors of yellow and white, but are also available in additional colors by special order. TOMs may be ordered with reflective sheeting on one or both sides. While the body of the TOM is identical to that of the Davidson TRPM, the TOM does not utilize the clear plastic cover which is required for the TRPM. The TOM is used primarily for lane delineation in temporary work zones that involve asphalt paving projects. The TOM is placed after final rolling of the pavement and in some cases, after fog coats or preservative seals have been applied.

Installation of TOMs on Asphalt and Concrete Pavements

1) Surfaces must be clean prior to application. The roadway should be clean before actual placement of TOMs. Individual placement spots may require cleaning with the use of

brushes, rags or compressed air. All road surfaces must be free of dust, dirt, oil and moisture to insure proper adhesion.

2) TOMs should be placed under dry conditions. TOMs should be installed at ambient temperatures above 50° F (10° C). On freshly rolled asphalt temperatures should be approximately 150° F (65° C) or cooler. (Atmospheric moisture will inhibit adhesion.)

3) Remove release paper from butyl adhesive.

4) Place marker on roadway and apply pressure for 5 seconds. With "1-Way" markers, reflectorized side must face oncoming traffic.

6) After completion of final striping, remove TOMs and dispose of them in proper receptacle.

Special Conditions

1) On concrete, and on old, oxidized asphalt pavements, use of a pavement primer is recommended prior to installation. Use "DAPCO Pavement Primer" or heat pavement with a torch prior to placement of TOMs. (Use caution with flames. Do not try to heat Butyl pad of TOM with a torch.)

2) Priming is also recommended if air temperatures are expected to dip below 50° F (10° C) or if moist, rainy conditions appear imminent.

3) On projects which involve high volume roadways, "setting" of the markers is highly recommended.

Setting is accomplished by driving over the markers with a heavy vehicle at slow speeds. This procedure improves adhesion of the marker to the surface and is highly encouraged for optimal adhesion.

Note: Insufficient downward pressure will not allow the marker to "set".

Adhesive pads can be used only once.

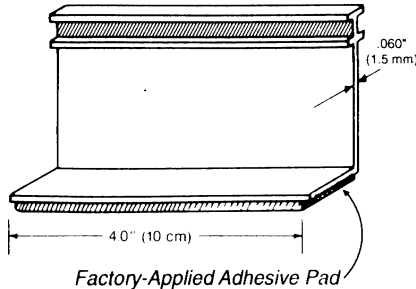
Failure to place the marker correctly could result in loss of the marker. Moisture on the roadway will inhibit bonding of the markers. Roadway must be clean and dry.

Important Notice To Purchaser

The following is made in lieu of all warranties, expressed or implied, including the implied warranties of merchantability and fitness for purpose: Seller's and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective. Before using, user shall determine the suitability of the product for its intended use, and user assumes all risk and liability whatsoever in connection therewith. Neither manufacturer nor seller shall be liable either in tort or in contract for any loss or damage, direct, incidental, or consequential, arising out of the use of or the inability to use the product.

Specifications for Temporary Overlay Markers™

TOM Temporary Overlay Markers



Marker Body and Reflective Colors

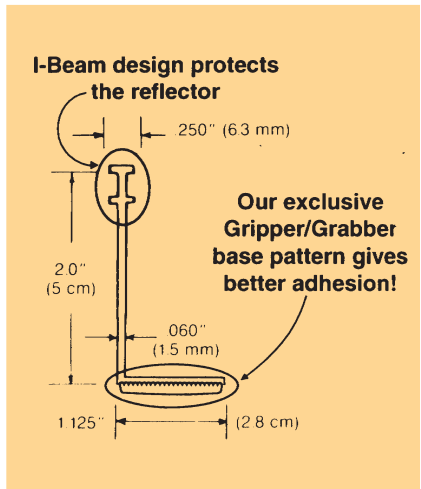
Type Y-2 -- Amber 2-Way
Type Y-1 -- Amber 1-Way

Type W-2 -- White 2-Way
Type W-1 -- White 1-Way

Marker Body

The marker body shall be made from .060" thick polyurethane which meets the following material

| Property | Results | ASTM Test Method |
|--|---------|------------------|
| Specific Gravity (min) | 1.19 | D792 |
| Hardness (min) | 80A | D2240 |
| Tensile Strength (min psi) | 4600 | D412 |
| Ultimate Elongation (min %) | 330 | D412 |
| Modulus @ 300% (min psi) | 1,000 | D412 |
| Stiffness @ -20°F (min psi) | 1,700 | D1053 |
| Stiffness @ -72°F (min psi) | 900 | D1053 |
| Compression Set 22 hr @ 70°C max% | 65 | D396 |
| Tabor Abrasion CS17 wheel wl. loss mg/100 cycles | 3 | |



Additional colors are available by special order.

Reflective Performance

Reflective tape shall be affixed along the top of vertical section of the marker inside the I-beam on one or both sides. Reflective tapes shall be a cube-corner microprism material with the following

| Initial Brightness | | | |
|--------------------|-------|-----|------|
| Color | Grade | SI* | CIL* |
| Yellow | WZ | 2.5 | 230 |
| White | WZ | 3.5 | 320 |

Specific Intensity or Coefficient of Luminous Intensity at 0.2 observation angle and -4.0 entrance angle (in cd/ft² or mcd/lux)

Packaging

The markers shall be packaged in boxes such that the vertical wall will not take a permanent set in excess of 15 degrees from true vertical wall with respect to the base.

Adhesive

The adhesive, factory-applied to the marker base, shall be a solid butyl rubber 0.125" (32 mm) thick, minimum 0.75" (19.0 mm) wide on 1.0" (25.4 mm) wide release paper.



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