

**BRADY B-752 CONSPICUITY REFLECTIVE TAPE**

TDS No. B-752

Effective Date: 09/17/1998

**Description:**

Brady B-752 is a diamond grade reflective sheeting backed with a pressure sensitive adhesive.

**Details:****Use:**

Brady B-752 is used for truck and trailer conspicuity marking.

**Adhesive Type:**

Permanent pressure sensitive

**Substrate Type:**

Retroreflective prismatic sheeting

**Standard Material Colors:**

Red, white and 7 in. white / 11 in. red (alternating pattern)

**Thickness (PSTC-33):**

Total: 0.020 - 0.024 in. (0.50 - 0.61mm)

**Adhesive Properties:**

Adhesion to Steel (PSTC-1)

15 Minute Dwell (Avg.) -- 58 oz/in. (63 N/100m)

Ultimate Dwell (72 Hrs.) (Avg.) -- 70 oz/in. (76 N/100m)

Tack (ASTM D 2979) (Avg.) -- 800 - 850 g (7.7 - 8.2 N)

Drop Shear (PSTC-7) (Avg.) -- 60 Hrs.

**Gloss:**

100 Gardner Units

**Reflectivity:**

Meets NHTSA's rule under 49 CFR, Part 571 for enhanced visibility and detection.

Meets or exceeds all FMVSS 108 Requirements.

Acceptable reflectivity means that the coefficients of reflectivity for the white and red sections at 0.2° observation angle and -4° entrance angle will exceed the values of 250 and 45 candlepower/foot candle/square foot, respectively, when sections cleaned with soap and water.

**Minimum Application Temperature:**

40°F (4.4°C)

**Service Temperature:**

-40°F to 200°F (-40°C to 93°C)

**Average Outdoor Durability:**

7 years (Average expected outdoor life of product will depend on user definition of failure, climatic conditions and mounting techniques.)

**Chemical Resistance:**

| REAGENT             | 7 DAY IMMERSION | DIP TEST | RUB TEST |
|---------------------|-----------------|----------|----------|
| 30% Sulfuric Acid   | NE              | NE       | NE       |
| 10% Sulfuric Acid   | NE              | NE       | NE       |
| 30% HCl             | NE              | NE       | NE       |
| 10% HCl             | NE              | NE       | NE       |
| 50% NaOH            | NE              | NE       | NE       |
| 10% NaOH            | NE              | NE       | NE       |
| Methyl Ethyl Ketone | F               | F        | NE       |

|                       |    |    |    |
|-----------------------|----|----|----|
| Acetone               | F  | F  | NE |
| 1,1,1-Trichloroethane | F  | NE | NE |
| Methanol              | F  | F  | NE |
| IPA (Isopropanol)     | NE | NE | NE |
| ASTM #3 Oil           | NE | NE | NE |
| SAE 20 Oil            | NE | NE | NE |
| Alconox®              | NE | NE | NE |
| Toluene               | F  | F  | NE |
| Mineral Spirits       | NE | NE | NE |
| Diesel Fuel           | NE | NE | NE |
| Heptane               | NE | NE | NE |
| Kerosene              | NE | NE | NE |
| Water                 | NE | NE | NE |
| Gasoline              | NE | NE | NE |
| 10% NaCl              | NE | NE | NE |
| Bleach                | NE | NE | NE |

NE = No Effect

NT = Not Tested

F = Failed (affected Sample)

7 Day Immersion: Immersed in reagent for 7 days.

Dip Test: Five 10 minute dips in reagent with 30 minute recovery.

Rub Test: Rubbed sample for 1 minute with swab soaked in reagent.

#### **Shelf Life:**

2 years when stored at 70°F (21°C) and 40% to 50% R.H.

#### **Trademarks:**

Alconox® is a registered trademark of Alconox Co.

Signmark® is a registered trademark of Brady Worldwide, Inc.

ASTM: American Society for Testing and Materials (U.S.A.)

FMVSS: Federal Motor Vehicle Safety Standard

NHTSA: National Highway Traffic Safety Administration

PSTC: Pressure Sensitive Tape Council (U.S.A.)

SAE: Society of Automotive Engineers (U.S.A.)

All S.I. Units (metric) are mathematically derived from the U.S. Conventional Units.

**Note:** All values shown are averages and should not be used for specification purposes.

Test data and test results contained in this document are for general information only and shall not be relied upon by Brady customers for designs and specifications, or be relied on as meeting specified performance criteria. Customers desiring to develop specifications or performance criteria for specific product applications should contact Brady for further information.

Product compliance information is based upon information provided by suppliers of the raw materials used by Brady to manufacture this product or based on results of testing using recognized analytical methods performed by a third party, independent laboratory. As such, Brady makes no independent representations or warranties, express or implied, and assumes no liability in connection with the use of this information.

#### **WARRANTY**

Brady products are sold with the understanding that the buyers will test them in actual use and determine for themselves their adaptability to their intended uses. Brady warrants to the buyers that its products are free from defects in material and workmanship, but limits its obligation under this warranty to replacement of the product shown to Brady's satisfaction to have been defective at the time Brady sold it. This warranty does not extend to any persons obtaining the product from the buyers. This warranty is in lieu of any other warranty, express or implied, including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose, and of any other obligations or liability on Brady's part. Under no circumstances will Brady be liable for any loss, damage, expense, or consequential damages of any kind arising in connection with the use, or inability to use, Brady's products.

---

Brady North America | 6555 W. Good Hope Rd | Milwaukee, WI 53223 | USA | Tel: 414-358-6600 | Fax: 800-292-2289