

Brady B-3 Floor Marking Tape

TDS No. B-3

Effective Date: 05/11/2020

Description:

Brady B-3 is a vinyl floor marking tape with good durability and adhesive. It is made of a sturdy vinyl that makes it easier to lay down in straight lines.

Use:

Brady B-3 is used to mark aisles, passageways, storage locations, and exits. For use in typical foot traffic areas.

Adhesive Type:

Permanent acrylic pressure-sensitive adhesive.

Substrate Type:

Vinyl

Standard Material Colors:

Solid: white, red, yellow, green, blue, orange, black, gray, brown, clear, and purple

Thickness:

0.004 in.

Adhesive Properties:

Adhesion to Steel (PSTC-101)

15 Minute Dwell (Avg.) -- 80 oz/in. (87.5 N/100mm)

Ultimate Dwell (72 Hrs.) 85 oz/in. (93 N/100mm)

Tack (ASTM D 2979) (Avg.) 1100 g (10.5 N)

Adhesion to Powder Coated Metal (PSTC-101)

15 Minute Dwell (Avg.) 60 oz/in (65 N/100mm)

Ultimate Dwell (72 Hrs.) 75 oz/in (82 N/100mm)

Adhesion to Polypropylene (PSTC-101)

15 Minute Dwell (Avg.) 60 oz/in (65 N/100mm)

Adhesion to Textured ABS (PSTC-101)

15 Minute Dwell (Avg.) 37 oz/in (40 N/100mm)

Adhesion to Glass (PSTC-101)

15 Minute Dwell (Avg.) 82 oz/in (90 N/100mm)

Abrasion Resistance (ASTM D4060):

CS-10 Wheels, 500g wts.

Material withstands up to 3700 cycles

Gloss (20°):

60° 50 Gardner Units minimum

Minimum Application Temperature

0°F (-18°C)

Service Temperature

-40°F to 180°F (-40°C to 82°C)

Average Outdoor Durability:

Not recommended for outdoor use.

Chemical Resistance:

| REAGENT | 7 DAY IMMERSION | DIP TEST |
|------------------------|-----------------|----------|
| 30% Sulfuric Acid | NE | NE |
| 10% Sulfuric Acid | NE | NE |
| 30% Hydrochloric Acid | NE | NE |
| 10% Hydrochloric Acid | NE | NE |
| Glacial Acetic Acid | F | F |
| 5% Acetic Acid | NE | NE |
| 50% Sodium Hydroxide | NE | NE |
| 10% Sodium Hydroxide | NE | NE |
| 10% Ammonia | NE | NE |
| 5% Sodium Hypochlorite | NE | NE |
| 10% Sodium Chloride | NE | NE |
| MEK | F | F |
| Acetone | F | F |
| Toluene | F | F |
| Methanol | NE | NE |
| Isopropyl Alcohol | NE | NE |
| Heptane | F | NE |
| Mineral Spirits | NE | NE |
| Turpentine | F | NE |
| Diesel Fuel | NE | NE |
| Kerosene | NE | NE |
| Gasoline | F | F |
| ASTM #3 Oil | NE | NE |
| SAE 20 Oil | NE | NE |
| Alconox® | NE | NE |

NE = No Effect

F = Failed (affected sample)

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

7 Day Immersion Test: Immersed in the reagent for 7 days.

Shelf life is two years from the date of receipt for this product as long as this product is stored in its original packaging

in an environment below 80° F (27° C) and 60% RH. It remains the responsibility of the user to assess the risk of using this product. We encourage customers to develop testing protocols that will qualify a product's fitness for use in their actual application.

Trademarks:

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

Alconox® is a registered trademark of Alconox Co.

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

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

SAE: Society of Automotive Engineers

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.

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