

**B-526 BRADYGLO™ HIGH INTENSITY SELF STICKING POLYESTER FOR GLOBALMARK™ AND POWERMARK™ PRINTERS**

TDS No. B-526

Effective Date: 06/29/2011

**Description:**

Brady B-526 BradyGlo™ High Intensity laminate is a glow-in-the-dark (photoluminescent) polyester film coated with an aggressive pressure sensitive adhesive for use in the GlobalMark™ Industrial Label Maker and the PowerMark™ Sign and Label Maker.

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

Brady B-526 BradyGlo™ High Intensity laminate is designed to provide high adhesion and luminance for egress marking in low light areas in and along stairwells of public buildings, exit and directional signs, identification of fire alarms and extinguishers, low location egress pathway markings, and directional systems for escape or evacuation routes.

**Relevant Standards:**

Complies with all indoor use requirements specified in RS 6-1 and 6-1A of New York Local Law 26 including photoluminescence, washability, flammability, toxic gas generation, and radioactivity.

Approved Model Numbers Accepted For Use, City of New York, Department of Buildings: MEA No. 467-06-M UV: 46-9-7 Lloyd's Register SAS F050294.p

**Inherent Properties:**

Brady B-526 is a non-toxic, non-radioactive, explosion safe (does not generate energy to induce explosions) material allowing for safe and effective egress marking.

**Illumine scent Characteristics:**

Illumination: 21.6 lux (2 foot-candles) for 2 hours with a 4100K cool white fluorescent lamp.

Luminance (after illumination): 10 minutes >37 mcd/m<sup>2</sup>

60 minutes >8 mcd/m<sup>2</sup>

90 minutes >5 mcd/m<sup>2</sup>

**Adhesive Type:**

Pressure Sensitive Acrylic

**Substrate Type:**

Phosphorescent Polyester Film

**Standard Legend Colors:**

Black, white, red, blue, green, magenta, yellow, orange

**Thickness (PSTC-33):**

0.0097 in. (0.2463 mm)

**Adhesive Properties:**

Adhesion to Stainless Steel (PSTC-1)

15 Minute Dwell (Avg.) - 190 oz/in

Ultimate Dwell (72hrs) (Avg.) - 200 oz/in

**Abrasion Resistance of Printed Text (Method 5306 of U.S. Federal Method Std. No. 191A):**

CS-10 Wheels, 250g wts.

Legend withstands 150-500 cycles

CS-17 Wheels, 1000g wts

Substrate withstands up to 9000 cycles

**Gloss (60°Gardner):**

95 Gardner Gloss Units

**Minimum Application Temperature:**

50°F (10°C)

**Service Temperature:**

-40°F to 140°F (-40°C to 60°C)

**Chemical Resistance**

| REAGENT                | 7 DAY IMMERSION | DIP TEST | RUB TEST |
|------------------------|-----------------|----------|----------|
| 30% Sulfuric Acid      | NE              | NE       | NE       |
| 10% Sulfuric Acid      | NE              | NE       | NE       |
| 30% Hydrochloric Acid  | NE              | NE       | NE       |
| 10% Hydrochloric Acid  | NE              | NE       | NE       |
| Glacial Acetic Acid    | F               | F        | F        |
| 5% Acetic Acid         | NE              | NE       | NE       |
| 50% Sodium Hydroxide   | F               | NE       | F        |
| 10% Sodium Hydroxide   | F               | NE       | F        |
| 10% Ammonia            | NE              | NE       | NE       |
| 5% Sodium Hypochlorite | NE              | NE       | NE       |
| 10% Sodium Chloride    | NE              | NE       | NE       |
| Methyl Ethyl Ketone    | F               | F        | F        |
| Acetone                | F               | F        | F        |
| Toluene                | F               | F        | F        |
| Methanol               | NE              | F        | F        |
| Isopropanol            | NE              | F        | NE       |
| Heptane                | F               | NE       | NE       |
| Mineral Spirits        | F               | NE       | NE       |
| Turpentine             | F               | NE       | NE       |
| Diesel Fuel            | NE              | NE       | NE       |
| Kerosene               | NE              | NE       | NE       |
| Gasoline               | F               | NE       | NE       |
| ASTM #3 Oil            | NE              | NE       | NE       |
| SAE 20 Oil             | NE              | NE       | NE       |
| Alconox®               | NE              | NE       | NE       |
| Water                  | NE              | NE       | NE       |
| Formula 409 Cleaner®   | NE              | NE       | NE       |

NE = No Effect

F = Failed (affected sample)

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

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

Product testing, customer feedback, and history of similar products, support a customer performance expectation of at least **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*. We are confident that our product will perform well beyond this time frame. However, it remains the responsibility of the user to assess the risk of using such product. We encourage customers to develop functional testing protocols that will qualify a product's fitness for use in their actual applications.

**Trademarks:**

ANSI: American National Standards Institute (U.S.A.)

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

Alconox® is a registered trademark of Alconox Co.

BradyGlo™ is a trademark of Brady Worldwide, Inc.

Fed. Spec.: United States Federal Specification (U.S.A.)

Formula 409® is a registered trademark of the Chlorox Company

Globalmark™ is a trademark of Brady Worldwide, Inc.

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

Powermark™ is a trademark of Brady Worldwide, Inc.

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

**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

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