

**BRADY B-918 PHOTOLUMINESCENT ANTI-SKID TAPE**

TDS No. B-918  
Effective Date: 01/19/2007

**Description:**

Brady B-918 is an indoor anti-skid, photoluminescent tape with a permanent pressure sensitive adhesive.

**Details:**

**Use:**

Brady B-918 is used for traction on steps and slick floors as a means for egress pathway marking.

**Relevant Standards:**

Exceeds OSHA Standards for non-slip protection on hazardous surfaces; Motor Vehicle Safety Standards No. 302; MIL-D 17951C (Sips), and ASTM E 2030-02, ASTM 2072-00, ASTM E 2073-02.

**Inherent Properties:**

Brady B-918 is a non-toxic, non-radioactive, explosion safe (does not generate energy to induce explosions) material allowing for safe and effective egress marking.

**Illuminescent Characteristics:**

Illumination: 21.6 lux (2 foot-candles) for 2 hrs with a 4100K cool white fluorescent lamp  
Luminance (after illumination):  
10 minutes > 29 mcd/m<sup>2</sup>  
60 minutes > 7 mcd/m<sup>2</sup>  
90 minutes > 5 mcd/m<sup>2</sup>  
120 minutes > 3 mcd/m<sup>2</sup>

**Adhesive Type:**

Permanent pressure sensitive acrylic

**Substrate Type:**

Grit coated polyester tape.

**Standard Material Colors:**

Photoluminescent

**Thickness (PSTC-33):**

Total: 0.020 in. (0.508 mm)

**Adhesive Properties:**

Adhesion to Steel (PSTC-1)  
15 Minute Dwell (Avg.) -- 110 oz/in (119 N/ 100mm)  
Ultimate Dwell (72 Hrs.) (Avg.) -- 104 oz/in (113 N/ 100mm)  
Tack (ASTM D 2979) (Avg.) -- 1400 g (13.7 N)

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

H-22 wheels, 1000 g wts.  
Withstood up to 60 cycles.

**Minimum Application Temperature:**

50°F (10°C)

**Service Temperature:**

-40°F to 193°F (-40°C to 90°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% HCl	NE	NE
10% HCl	NE	NE
50% NaOH	NE	NE
10% NaOH	F	NE
Methyl Ethyl Ketone	F	F
Acetone	F	F
1,1,1-Trichloroethane	F	NE
Methanol	F	NE
IPA (Isopropanol)	NE	NE
ASTM #3 Oil	NE	F
SAE 20 Oil	NE	F
Alconox®	F	NE
Toluene	F	NE
Mineral Spirits	F	NE
Glacial Acetic Acid	F	F
5% Acetic Acid	NE	NE
Diesel Fuel	NE	NE
Heptane	F	NE
10% Ammonia	NE	NE
Turpentine	F	NE
Kerosene	NE	NE
Water	NE	NE
Gasoline	F	NE
5% Sodium Hypochlorite	NE	NE
10% Sodium Chloride	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.

**Shelf Life:**

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

**Trademarks:**

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

Alconox® is a registered trademark of Alconox Co.

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

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.

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