

## BRADY B347 BRADYGLO™ SAFETY SIGN WITH PROTECTED GRAPHICS

TDS No. B347

Effective Date: 7/23/2025

### Description:

Brady B-347 BradyGlo™ material is a glow-in-the-dark (photoluminescent) sign with protected graphics.

### Details:

#### Use:

Brady B-347 BradyGlo™ material with protected graphics is used for exit and directional signs, identification of fire alarms and extinguishers, and directional systems for escape or evacuations routes.

#### Relevant Standards:

Meets or exceeds the following standards: ASTM E2072-00 / ASTM E207300, ASTM E-162, ASTM E648, ASTM E-662, IMO Resolution A.752(18), ISO/CD 15370, Marine Safety Committee MSC.27(61), DIN 67 510 (Parts 1 - 4), and PSPA Standard 002 Part 2 1993 Class A Rev 2:09/99.  
Meets OSHA 1910.37.

#### Inherent Properties:

Brady B-347 is a nontoxic, nonradioactive, explosion safe (does not generate energy to induce explosions), material allowing for sanitary disposal.

#### Illuminescent Characteristics:

Charge time of 5 minutes @ 1000 Lux. Consistent glow life and unlimited rechargeability throughout service life.

#### Substrate Type:

Phosphorescent polyester film on polystyrene

#### Standard Legend Colors:

Black, green, red and blue

#### Thickness (PSTC-133):

.069 in. (1.75mm)

#### Abrasion Resistance (ASTM D 4060):

CS-10 Wheels, 250g wts.

Legend withstands up to 1200 cycles

CS17 Wheels, 1000g wts.

Substrate withstands up to 4000 cycles

#### Gloss (60°):

67 units

#### Service Temperature:

0°F to 158°F (-40°C to 70°C)

#### Expected Service Life of Printed Legend

Average of 5 years

#### Outdoor Applications:

Not recommended for outdoor application.

#### 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	NE
10% Sodium Hydroxide	F	NE	NE
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	F	NE	F
Isopropanol	F	NE	F
Heptane	F	NE	NE
Mineral Spirits	F	NE	NE
Turpentine	F	F	NE
Diesel Fuel	F	NE	NE
Kerosene	F	NE	NE
Gasoline	F	F	NE
ASTM #3 Oil	NE	NE	NE
SAE 20 Oil	NE	NE	NE
Alconox®	NE	NE	NE
Water	NE	NE	NE

NE = No Effect

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:**

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

#### **Trademarks:**

Alconox® is a registered trademark of Alconox Co.

BradyGlo™ is a trademark of Brady Worldwide, Inc.

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

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

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

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

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

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

IMO: International Maritime Association

DIN: Deutsches Institut für Normung

PSPA: Photoluminescent Safety Products Association

**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.

