Technical Data Sheet

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 InstitÜt fÜr Normung
PSPA: Photoluminescent Safety Products Association

Note: All values shown are averages and should not be used for specification purposes.
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Brady North America | 6555 W. Good Hope Rd | Milwaukee, WI 53223 | USA | Tel: 414-358-6600 | Fax: 800-292-2289