

BRADY B-347 BRADYGLO (TM) SAFETY SIGNS

TDS No. B-347
Effective Date: 11/05/2015

Description:

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

Details:

Use:

Brady B-347 BradyGlo™ material 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 E-2072-00 / ASTM E-2073-00, ASTM E-162, ASTM E-648, 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 non-toxic, non-radioactive, 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 rechargability throughout service life.

Substrate Type:

Phosphorescent polyester film on polystyrene

Standard Legend Colors:

Black, green, red and blue

Thickness (PSTC-133):

.063 in. (1.60mm)

Abrasion Resistance (ASTM D4060-14 Standard Test Method for Abrasion Resistance of Organic Coatings by the Taber Abraser):

CS-10 Wheels, 250g wts.
Legend withstands up to 2300 cycles
CS-17 Wheels, 1000g wts.
Substrate withstands up to 4000 cycles

Gloss (ASTM D523):

20° - 39 gloss units

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.

Service Temperature:

-40°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.

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.

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