

BRADY B-356 BRADYGLO (TM) ALUMINUM SIGN

TDS No. B-356

Effective Date: 08/24/2005

Description:

Brady B-356 BradyGlo material is a glow-in-the-dark (photoluminescent) aluminum sign.

Details:

Use:

Brady B-356 is used for exit and directional signs, identification of fire alarms and extinguishers, low location egress pathway markings, passenger rail transit and directional systems for escape or evacuations routes. In accordance with ASTM 2030-99: Recommended Uses of Photoluminescent Safety Markings.

Relevant Standards:

Meets or exceeds the following standards:

APTA SS-PS-004-99

APTA SS-PS-002-98 Rev.1

ASTM E-2072-00 / ASTM E-2073-00

ASTM E-162

ASTM E-648

ASTM E-662

DIN 67 510 (Parts 1 - 4)

IMO Resolution A.752(18)

ISO/CD 15370

JIS Z 9100

Marine Safety Committee MSC.27(61)

PSPA Standard 002 Part 2

SMP 800C

Inherent Properties:

Brady B-356 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 Aluminum

Standard Legend Colors:

Black, green, red, and blue

Thickness (ASTM D 1593):

Total: 0.022 in. (0.56mm)

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

CS-10 Wheels, 250g wts.

Legend withstands up to 200 cycles

CS-17 Wheels, 1000g wts.

Substrate withstands up to 4000 cycles

Gloss (60° Gardner):

120

Service Temperature:

-40°F to 176°F (-40°C to 80°C)

Outdoor Applications:

Not recommended for outdoor applications.

Chemical Resistance:

REAGENT	7 DAY IMMERSION	DIP TEST	RUB TEST
30% Sulfuric Acid	F	F	NE
10% Sulfuric Acid	F	F	NE
30% Hydrochloric Acid	F	F	NE
10% Hydrochloric Acid	F	F	NE
50% NaOH	F	F	NE
10% NaOH	F	F	NE
10% Ammonia	NE	NE	NE
5% Sodium Hydroxide	NE	NE	NE
MEK	F	F	F
Acetone	F	F	F
Methanol	F	F	NE
IPA	F	NE	NE
ASTM #3 Oil	NE	NE	NE
SAE 20 Oil	NE	NE	NE
Alconox®	NE	NE	NE
Toluene	F	F	F
Mineral Spirits	NE	NE	NE
Glacial Acetic Acid	F	F	F
5% Acetic Acid	F	F	NE
Diesel Fuel	F	NE	NE
Heptane	F	F	NE
10% NaCl	NE	NE	NE
Turpentine	F	NE	NE
Kerosene	F	NE	NE
DI Water	NE	NE	NE
Gasoline	F	F	F

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.

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

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.)

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.

Copyright 2016 Brady Worldwide, Inc. | All Rights Reserved
Material may not be reproduced or distributed in any form without written permission.

Brady North America | 6555 W. Good Hope Rd | Milwaukee, WI 53223 | USA | Tel: 414-358-6600 | Fax: 800-292-2289