

## **BRADY B-356 BRADYGLO (TM) ALUMINUM SIGN**

TDS No. B-356

Effective Date: 11/06/2017

### **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.

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