

**BRADY B-374 PLASTIC BRADYGLO™ HIGH-PERFORMANCE FRAMELESS EXIT SIGNS**

TDS No. B-374  
Effective Date: 10/26/2009

**Description:**

Brady B-374 Plastic BradyGlo™ High-Performance Frameless Exit Signs are surface printed on photoluminescent plastic and come with pressure-sensitive directional indicators to be applied by the user.

**Details:**

**Use:**

Brady B-374 BradyGlo™ High-Performance Frameless Exit Signs are used to identify exit-ways. The signs are non-radioactive and non-electric requiring no electrical wiring or batteries.

**Relevant Standards:**

Compliant to NFPA Life Safety Code 101 and OSHA 1910. UL listed and approved to the UL 924 standard. Exceeds UL 924 requirements for upper and lower service temperature limits and humidity resistance.

**Illuminescent Characteristics:**

A minimum of 1 hour of 54 Lux of unfiltered fluorescent light exposure is required on the sign face at all times during building occupancy. After 60 minutes of 54 Lux exposure, the sign is 100% charged and will continue to glow for 50 to 60 continuous hours, when charged with Florescent, Metal Halide or Mercury Vapor Lamps. Consistent glow life and unlimited rechargability throughout service life.

**Substrate Type:**

Plastic Photoluminescent

**Standard Legend Colors:**

Red or Green

**Thickness (PSTC-133):**

0.0715" (1.82 mm)

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

CS-10 Wheels, 250g wts.  
Legend withstands up to 500 cycles

**Gloss (ASTM D523):**

60° - 8.5 Gardner 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	NE	NE	NE
10% Sodium Hydroxide	NE	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	NE
Isopropanol	F	NE	NE
Heptane	F	NE	NE
Mineral Spirits	NE	NE	NE
Turpentine	F	NE	NE
Diesel Fuel	F	NE	NE
Kerosene	F	NE	NE
Gasoline	NE	NE	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 122°F (-40°C to 50°C)

**Humidity Resistance:**

95% R.H. 100°F

**Expected Service Life of Printed Legend**

Average of 5 years

**Outdoor Durability:**

Not recommended for outdoor application.

**Trademarks:**

BradyGlo™ is a trademark of Brady Worldwide, Inc

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

Alconox® is a registered trademark of Alconox Co.

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

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

NFPA: National Fire Protection Association

OSHA: Occupational Safety & Health Administration

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

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

UL: Underwriters Laboratories Inc. (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.

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