

IBC Stair Noising

TDS No. B-640
Effective Date: 07/29/2010

Description:
BradyGlo™ B-640 Stair Noising

Details:
Brady B-640 BradyGlo™ material is a glow-in-the-dark (photoluminescent) safety guidance sign for use on Stair Nosing

Use:
Brady B-645 BradyGlo™ material is used for Stair Nosing, identification of fire exits, stairwell 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:

- IBC 2009**
- IFC 2009**
- NFPA 101-2009**
- NFPA 170-2009**
- ASTM E2073**

Inherent Properties:
Brady B-645 is a non-toxic, non-radioactive, explosion safe (does not generate energy to induce explosions), material allowing for sanitary disposal.

Illuminescent Characteristics:
1 foot candles (11lux) of fluorescent illumination for 60 minutes, and the minimum luminance shall be 30 milicandelas per square meter at 10 minutes and 5 milicandelas per square meter after 90 minutes. Exit enclosures where photoluminescent exit path markings are installed shall be provided with the minimum means of egress illumination, for at least 60 minutes prior to periods when the building is occupied.

Substrate Type:
Phosphorescent glass filled polyurethane plastic

Standard Colors:
Black

Thickness (PSTC-133):
0.236 in. (5.99mm)

Service Temperature:
-40°F to 175°F (-40°C to 80°C)

Outdoor Applications:
Not recommended for outdoor application.

Shelf Life:
Unlimited when stored at 70°F (21°C) and 40% to 50% R.H.

Chemical Resistance:
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.

REAGENT	7 DAY IMMERSION	DIP TEST
30% Sulfuric Acid	NE	NE
10% Sulfuric Acid	NE	NE
30% HCl	NE	NE
10% HCl	NE	NE
50% NaOH	F	NE

10% NaOH	F	NE
MEK	F	F
Acetone	F	F
1,1,1 Trichloroethane	F	F
Methanol	F	F
IPA (Isopropanol)	F	F
ASTM #3 Oil	NE	NE
SAE 20 Oil	NE	NE
Alconox®	NE	NE
Toluene	F	NE
Mineral Spirits	NE	NE
Glacial Acetic Acid	F	F
5% Acetic Acid	NE	NE
Diesel Fuel	NE	NE
Heptane	NE	NE
10% NaCl	NE	NE
Turpentine	NE	NE
Kerosene	F	NE
DI Water	NE	NE
Gasoline	F	NE

Trademarks:

ANSI: American National Standards Institute (U.S.A.)
 ASTM: American Society for Testing and Materials (U.S.A.)
 Alconox® is a registered trademark of Alconox Co.
 SAE: Society of Automotive Engineers (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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