

**BRADY XtraGlo B-7590 PHOTOLUMINESCENT CLASS C RIGID ALUMINIUM SIGN**

TDS No. B-7590

Effective Date: 18/03/2017

**Description:**

Aluminium laminated with a printed flexible photoluminescent polyester tape Class C (Xtra-Glo B-7582).

**Substrate type:** Rigid photoluminescent aluminium sign.

**Standard legend colors:** Black, blue, green and red

**Use:**

B-7590 is used for safety applications such as safety signage in building, marine, rail and military applications.

**Relevant standards:**

Luminous compliance according DIN 67510, ASTM 2072, ISO 15370, EU marine equipment directive, IMO RES A. 752 (18), PSPA Class C.

**Illuminescent properties:**

Charge time of 5 minutes @ 1000 Lux will charge the sign for 24 hours of glow time (min. 0.32 mcd/m<sup>2</sup>)

Consistent glow life and unlimited rechargeability throughout service life.

Test results according to DIN 67510 Part 1 standard / ASTM 2072: 1000 Lux Xenon Lamp for 5 minutes at 22°C

Luminance (after illumination):

2 minutes : 794 mcd/m<sup>2</sup>

10 minutes : 180 mcd/m<sup>2</sup>

30 minutes : 49.8 mcd/m<sup>2</sup>

60 minutes : 23 mcd/m<sup>2</sup>

**Details:**

PHYSICAL PROPERTIES	TEST METHOD	AVERAGE RESULTS
Thickness	PSTC-133 Total thickness	1.049 mm
Abrasion Resistance	CS-10 wheels	Polyester laminate withstands up to 1000 cycles
Service temperature	30 days testing	-40°C to 65°C (-40°C to 150°F)
Humidity resistance	30 days at 37°C/95%RH	No visible effect

**Outdoor applications:**

Not recommended for outdoor application.

**CHEMICAL PROPERTIES:**

CHEMICAL REAGENT	Rub test
Methyl ethyl ketone	No visible effect
Toluene	No visible effect
Isopropyl alcohol	No visible effect
Ethanol (96%)	No visible effect
n-Hexane	No visible effect
Acetone	No visible effect
Gasoline	No visible effect
Diesel	No visible effect
De-ionized water	No visible effect
5% NaOH	No visible effect
10% Sulphuric acid solution	No visible effect
10% NaCl solution	No visible effect
5% Soap Extran MA 02 neutral	No visible effect

Rub test: Rubbed sample for 1 minute with swab soaked in reagent.

Shelf life: 2 years if stored below 27°C (80°F) and 60% RH.

**Trademarks:**

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

DIN: Deutsche Industry Norm

IMO: International Maritime Organization

PSPA: Photoluminescent Safety Products Association

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

S. I.: International System of Units

**Note:** All values shown are averages and should not be used for specification purposes.

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