

**BRADY B-140 BRADYLAM SIGNS**

TDS No. B-140  
Effective Date: 10/06/2010

**Description:**

Brady's B-140 BradyLam™ Sign is a printed polyester film that is permanently bonded to a fiberglass panel with a laminate to protect the graphics.

**Details:**

Use:

Brady's B-140 BradyLam™ Sign are designed for use indoors or outdoors, especially in extreme harsh environments.

Special Properties:

Brady B-140 BradyLam™ Signs are overlaminated with Cast Vinyl to protect the graphics from UV light, dirt and harsh chemicals.

Substrate Type:

Polyester with reinforced fiberglass backing overlaminated with Cast Vinyl.

Standard Material Colors:

White and Yellow

Standard Legend Colors:

Red, Blue, Green and Black are the most commonly used colors. Other colors are also available.

Thickness (ASTM D 1593):

0.11 in. (2.8 mm)

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

CS-10 wheels, 500 g wts.  
Withstands up to 4000 cycles

Gloss (ASTM D523°):

60° - 80 Gardner units

Service Temperature:

-40°F to 175°F (40°C to 80°C)

Average Outdoor Durability:

Up to 8 years (Average expected outdoor life of product will depend on user definition of failure and climatic conditions).

Chemical Resistance:

REAGENT	7 DAY IMMERSION	DIP TEST
30% Sulfuric Acid	NE	NE
10% Sulfuric Acid	NE	NE
30% Hydrochloric Acid	NE	NE
10% Hydrochloric Acid	NE	NE
Glacial Acetic Acid	F	F
5% Acetic Acid	NE	NE
50% Sodium Hydroxide	NE	NE
10% Sodium Hydroxide	NE	NE
10% Ammonia	NE	NE
5% Sodium Hypochlorite	NE	NE
10% Sodium Chloride	NE	NE
Methyl Ethyl Ketone	F	F
Acetone	F	F
Toluene	F	F
Methanol	F	NE
Isopropanol	F	NE

Heptane	NE	NE
Mineral Spirits	NE	NE
Turpentine	F	NE
Diesel Fuel	F	NE
Kerosene	F	NE
Gasoline	F	F
ASTM #3 Oil	NE	NE
SAE 20 Oil	NE	NE
Alconox®	NE	NE
Water	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.

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.

BradyLam™ is a trademark of Brady Worldwide, Inc.

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

Tedlar® is a registered is of Du Pont de Nemours, E.I. and Company

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.

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