

BRADY B-320 BRADYLEX SIGNS

TDS No. B-320
Effective Date: 10/14/2002

Description:

Brady's B-320 Bradylex™ Signs are sub-surface printed on outdoor Lexan® and bonded to .060" rigid fiberglass panels.

Details:

Use:

Brady B-320 Bradylex™ Signs are designed for use in industrial, utility, commercial, and institutional environments. Common uses include safety signs, utility signs, information signs, and equipment warning signs. The sign construction is recommended for both indoor and outdoor use.

Special Properties

Sub-surface printed on UV-resistant Lexan®

Substrate Type:

Outdoor Lexan® bonded to fiberglass

Standard Material Colors:

White, yellow, orange, green, red and blue

Standard Legend Colors:

Black, white, red, green, orange and blue

Thickness (ASTM D 1593):

.070 in. (1.78 mm)

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

H-22 wheels, 1000 g weights
Legend withstands up to 7700 cycles

Gloss (ASTM D 523):

60° - 10 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	F	NE
5% Sodium Hypochlorite	NE	NE
Methyl Ethyl Ketone	F	F
Acetone	F	F
Toluene	F	F
1,1,1-Trichloroethane	F	NE

Methanol	F	NE
Isopropyl Alcohol	F	NE
Heptane	F	NE
Mineral Spirits	F	NE
Turpentine	F	NE
Kerosene	F	NE
Diesel Fuel	F	NE
Gasoline	F	NE
ASTM #3 Oil	NE	NE
SAE 20 Oil	NE	NE
10% Sodium Chloride	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.

Product Life:

8 years

Trademarks:

Alconox® is a registered trademark of Alconox Co.

BradyLex™ is a trademark of Brady Worldwide, Inc.

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

Lexan® is a registered trademark of General Electric Company

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.)

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