

## BRADY B-465 BRADYPLAST SIGNS

TDS No. B-465

Effective Date: 11/06/2017

### Description:

Brady's B-465 BradyPlast™ Sign is a durable plastic sign with high impact strength and excellent resistance to UV light, chemicals and corrosive agents.

### Details:

#### Use:

Brady B-465 BradyPlast™ 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.

#### Substrate Type:

Durable Plastic

#### Standard Material Colors:

White, yellow, orange, green, red and blue

#### Standard Legend Colors:

Black, white, red, green, orange and blue

#### Thickness (ASTM D 1593):

.064 in. (1.63 mm)

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

CS-10 wheels, 250 g weights

Legend withstands up to 150 cycles

#### Gloss (ASTM D 523):

60°- 92 Gardner Units

#### Service Temperature:

-40°F to 158°F (-40°C to 70°C)

#### Average Outdoor Durability:

3-4 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	RUB TEST
30% Sulfuric Acid	NE	NE	NE
10% Sulfuric Acid	NE	NE	NE
30% Hydrochloric Acid	F	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
Methyl Ethyl Ketone	F	F	F
Acetone	F	F	F
Toluene	F	F	F

1,1,1-Trichloroethane	F	F	NE
Methanol	F	F	NE
Isopropyl Alcohol	F	F	NE
Heptane	NE	NE	NE
Mineral Spirits	NE	NE	NE
Turpentine	F	NE	NE
Kerosene	NE	NE	NE
Diesel Fuel	F	NE	NE
Gasoline	F	NE	NE
ASTM #3 Oil	NE	NE	NE
SAE 20 Oil	NE	NE	NE
10% Sodium Chloride	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.

**Product Life:**

3-4 years when stored indoors.

**Trademarks:**

Alconox® is a registered trademark of Alconox Co.

BradyPlast™ is a trademark of Brady Worldwide, Inc.

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

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.)

**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.

Product compliance information is based upon information provided by suppliers of the raw materials used by Brady to manufacture this product or based on results of testing using recognized analytical methods performed by a third party, independent laboratory. As such, Brady makes no independent representations or warranties, express or implied, and assumes no liability in connection with the use of this information.

**WARRANTY**

Brady products are sold with the understanding that the buyers will test them in actual use and determine for themselves their adaptability to their intended uses. Brady warrants to the buyers that its products are free from defects in material and workmanship, but limits its obligation under this warranty to replacement of the product shown to Brady's satisfaction to have been defective at the time Brady sold it. This warranty does not extend to any persons obtaining the product from the buyers. This warranty is in lieu of any other warranty, express or implied, including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose, and of any other obligations or liability on Brady's part. Under no circumstances will Brady be liable for any loss, damage, expense, or consequential damages of any kind arising in connection with the use, or inability to use, Brady's products.

Copyright 2017 Brady Worldwide, Inc. | All Rights Reserved  
Material may not be reproduced or distributed in any form without written permission.