

## BRADY B-590 COMMERCIAL GRADE ALUMINUM SAFETY SIGN

TDS No. B-590

Effective Date: 11/06/2017

### Description:

Brady B-590 Commercial Grade Aluminum Safety Sign is a lightweight aluminum sign panel with a protective coating that holds up well in indoor or outdoor applications. The protective coating is abrasion and chemical resistant. The panels are round-cornered and punched for application to rigid surfaces and will not rust, even in extremely wet environments or if marred. The lightweight material conforms well to curved surfaces.

### Details:



### Use:

Brady B-590 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.

### Material Construction:

0.024 inch coated aluminum with protective coating

### Standard Material Colors:

Yellow, blue, green, red, orange, and white (conforms to OSHA recommendations)

### Standard Legend Colors:

Black, white, red, blue, green and magenta

### Thickness (ASTM D 1593):

Total: 0.024 in. (0.6096 mm)

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

CS-17 wheels, 1000 g wts.

Protective coating withstands 350 cycles

### Service Temperature:

-40°F to 193°F (-40°C to 90°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:

Chemical	7 Day Immersion	Dip Test	Rub Test
30% Sulfuric Acid	F	F	F
10% Sulfuric Acid	F	F	NE
30% Hydrochloric Acid	F	F	NE
10% Hydrochloric Acid	F	F	NE
Glacial Acetic Acid	F	F	NE
5% Acetic Acid	F	F	NE
50% Sodium Hydroxide	F	F	NE
Methanol	NE	NE	NE
Isopropyl Alcohol	NE	NE	NE
Heptane	NE	NE	NE
Mineral Spirits	NE	NE	NE
Turpentine	NE	NE	NE
Diesel Fuel	NE	NE	NE
Kerosene	NE	NE	NE
Gasoline	F	F	NE
ASTM #3 Oil	NE	NE	NE
SAE 20 Oil	NE	NE	NE
Alconox®	NE	NE	NE
Water	NE	NE	NE

NE = No Effect

NT = Not Tested

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.

**Shelf Life:**

Shelf life is two years from the date of receipt for this product as long as this product is stored in its original packaging in an environment below 80° F (27° C) and 60% RH. It remains the responsibility of the user to assess the risk of using this product. We encourage customers to develop testing protocols that will qualify a product's fitness for use in their actual application.

**Trademarks:**

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

Alconox® is a registered trademark of Alconox Co.

OSHA: Occupational Safety & Health Administration

S. I.: International System of Units

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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