

## BRADY B-555 ALUMINUM SAFETY SIGN WITH PROTECTED GRAPHICS

TDS No. B-555

Effective Date: 7/23/2025

### Description:

Brady B-555 Aluminum Safety Sign is an aluminum panel with protected graphics. Panels are round-cornered and punched for application to rigid surfaces.

### Details:



### Use:

Brady B-555 signs with protected graphics 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:

Coated aluminum

### Standard Material Colors:

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

### Standard Legend Colors:

Black, white, red, blue, green and magenta

### Thickness (ASTM D 1593):

Total: 0.043 in. (1.09 mm)

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

CS-10 wheels, 1000 g wts.

Legend withstands up to 650 cycles.

### Service Temperature:

40°F to 230°F (-40°C to 110°C)

### Average Outdoor Durability:

5-8 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 | RUB TEST |
|------------------------|-----------------|----------|----------|
| 30% Sulfuric Acid      | F               | F        | NE       |
| 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       |
| 10% Sodium Hydroxide   | F               | F        | NE       |
| 10% Ammonia            | NE              | NE       | NE       |
| 5% Sodium Hypochlorite | F               | F        | NE       |
| 10% Sodium Chloride    | F               | F        | NE       |
| Methyl Ethyl Ketone    | F               | F        | F        |
| Acetone                | F               | F        | NE       |

|                   |    |    |    |
|-------------------|----|----|----|
| Toluene           | F  | F  | NE |
| Methanol          | NE | NE | NE |
| IPA (Isopropanol) | NE | NE | NE |
| Heptane           | F  | F  | NE |
| Mineral Spirits   | NE | NE | NE |
| Turpentine        | NE | NE | NE |
| Diesel Fuel       | F  | 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 applications.

#### **Trademarks:**

Alconox® is a registered trademark of Alconox Co.

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

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

OSHA: Occupational Safety & Health Administration (U.S.A.)

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

All S.I. Units (metric) are mathematically derived from the U.S. Conventional Units.

**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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