Technical Data Sheet

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.

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 2025 Brady Worldwide, Inc. | All Rights Reserved
Material may not be reproduced or distributed in any form without written permission.