

BRADY B-401 PLASTIC SAFETY SIGN WITH PROTECTED GRAPHICS

TDS No. B-401

Effective Date: 7/23/2025

Description:

Brady B-401 Plastic Safety Sign is a polystyrene panel with protected graphics. Panels are round-cornered and punched for application to rigid surfaces.

Details:



Use:

Brady B401 plastic safety signs with protected graphics are designed for use in light duty 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:

High impact polystyrene

Standard Background 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: 0.061 in. (1.55 mm)

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

CS10 wheels, 1000 g wts.

Legend withstands up to 700 cycles

Service Temperature:

-40°F to 175°F (40°C to 80°C)

Average Outdoor Durability:

3-5 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	NE
5% Acetic Acid	NE	NE	NE
50% Sodium Hydroxide	NE	NE	NE
10% Sodium Hydroxide	NE	NE	NE
10% Sodium Chloride	NE	NE	NE
10% Ammonia	NE	NE	NE
5% Sodium Hypochlorite	NE	NE	NE

Methyl Ethyl Ketone	F	F	NE
Acetone	F	F	NE
Methanol	NE	NE	NE
Toluene	F	F	NE
IPA (Isopropanol)	NE	NE	NE
Heptane	F	NE	NE
Mineral Spirits	F	NE	NE
Turpentine	F	NE	NE
Diesel Fuel	F	NE	NE
Kerosene	F	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 (USA)

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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