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21801

BRADY
WHEN PERFORMANCE MATTERS MOST™

Technical Data Sheet

BRADY B-401 PLASTIC SAFETY SIGNS

TDS No. B-401
Effective Date: 06/06/2008

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

Details:



Use:
Brady B-401 signs 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: 0.060 in. (1.5 mm)

Abrasion Resistance (Method 5306 of U.S. Federal Test Method Std. No. 191A):
CS-10 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:
Unlimited when stored at 70°F (21°C) and 40% to 50% R.H.

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.
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