THE DATASHEET OF

124335

Technical Data Sheet

BRADY B-555 ALUMINUM SAFETY SIGNS

TDS No. B-555
Effective Date: 06/20/2008

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

Details:



Use:
Brady B-555 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:
0.040 in. coil 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: 0.035 in. (0.89 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:
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 (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.
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