

BRADY B-590 COMMERCIAL GRADE ALUMINUM SAFETY SIGN

TDS No. B-590
Effective Date: 06/06/2008

Description:

Brady B-590 Commercial Grade Aluminum Safety Sign is a lightweight aluminum sign panel with a protective coating that holds up well in indoor or outdoor applications. The protective coating is abrasion and chemical resistant. The panels are round-cornered and punched for application to rigid surfaces and will not rust, even in extremely wet environments or if marred. The lightweight material conforms well to curved surfaces.

Details:



Use:

Brady B-590 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:

0.024 inch coated aluminum with protective coating

Standard Material 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: 0.024 in. (0.6096 mm)

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

CS-17 wheels, 1000 g wts.
Protective coating withstands 350 cycles

Service Temperature:

-40°F to 193°F (-40°C to 90°C)

Average Outdoor Durability:

3-4 years (Average expected outdoor life of product will depend on user definition of failure and climatic conditions.)

Chemical Resistance:

Chemical	7 Day Immersion	Dip Test	Rub Test
30% Sulfuric Acid	F	F	F
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	F	F	NE
5% Sodium Hypochlorite	F	F	NE
10% Sodium Chloride	F	F	NE
MEK	F	F	F
Acetone	F	F	NE
Toluene	F	F	NE
Methanol	NE	NE	NE
Isopropyl Alcohol	NE	NE	NE
Heptane	NE	NE	NE
Mineral Spirits	NE	NE	NE
Turpentine	NE	NE	NE
Diesel Fuel	NE	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:

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

Alconox® is a registered trademark of Alconox Co.

OSHA: Occupational Safety & Health Administration

S. I.: International System of Units

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

Note: All values shown are averages and should not be used for specification purposes.

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