

**BRADY B-811 MAGNETIC SIGNS**

TDS No. B-811  
Effective Date: 06/19/2002

**Description:**  
Brady B-811 Magnetic Signs are surface printed on magnetic sheeting.

**Details:**

**Use:**  
Brady B-811 Magnetic Signs are used as temporary, reusable, and movable signs.

**Substrate Type:**  
Magnetic sheeting with a white vinyl surface

**Standard Material Colors:**  
White and yellow

**Standard Legend Colors:**  
Black, red, green, blue, yellow, and custom colors

**Thickness (ASTM D 1593):**  
Total: .024-.025 in. (0.61-.64 mm)

**Abrasion Resistance (Method 5306 of U.S. Federal Test Method Std. No. 191A):**  
CS-10 wheels, 250 g weights  
Legend withstands up to 100 cycles

**Gloss (ASTM D523):**  
60° -18 Gardner Units

**Service Temperature:**  
0°F to 158°F (-18°C to 70°C)

**Average Outdoor Durability:**  
2 to 4 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	F
5% Acetic Acid	NE	NE	NE
50% Sodium Hydroxide	NE	NE	NE
10% Sodium Hydroxide	NE	NE	NE
10% Ammonia	NE	NE	NE
5% Sodium Hypochlorite	NE	NE	NE
Methyl Ethyl Ketone	F	F	F
Acetone	F	F	F
Toluene	F	F	F
1,1,1-Trichloroethane	F	F	F
Methanol	F	F	NE
Isopropyl Alcohol	F	F	F
Heptane	F	NE	NE
Minreal Spirits	F	F	NE

Turpentine	F	F	NE
Kerosene	F	F	NE
Diesel Fuel	F	F	NE
Gasoline	F	F	F
ASTM #3 Oil	NE	NE	NE
SAE 20 Oil	NE	NE	NE
10% Sodium Chloride	NE	NE	NE
Alconox®	NE	NE	NE
Water	NE	NE	NE

NE = No Effect

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.)

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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