

## BRADY B-2 PROPERTY IDENTIFICATION PLATES

TDS No. B-2  
Effective Date: 11/08/2005

### **Description:**

Brady B-2 Property Identification Plates are anodized metal tags, with a pressure sensitive adhesive. Tag headings are permanently etched into dyed anodic coating.

### **Details:**



### **Use:**

Brady B-2 is used to help identify and keep track of physical assets such as computers, tools, and other machinery. Alpha numeric sequencing available in 5 styles. Barcode sequencing available in 3 styles. Non contact scanners are recommended for use on the barcodes.

### **Adhesive Type:**

Pressure sensitive acrylic (suitable for rough surfaces)

### **Substrate Type:**

Anodized aluminum

### **Standard Background Colors:**

Dark blue, light blue, green, red, orange, and black (matte or shiny finish)

### **Standard Legend Colors:**

Etched into aluminum

### **Thickness (PSTC-33):**

Total -- 0.008 in. (0.203 mm)

### **Adhesive Properties:**

Adhesion to Steel (PSTC-1)  
15 Minute Dwell (Avg.) -- destroys  
Ultimate Dwell (72 Hrs.) (Avg.) -- destroys  
Tack (ASTM D 2979) (Avg.) -- 300 g  
Drop Shear (PSTC-7) (Avg.) -- 8 hrs.

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

CS-10 wheels, 250 g weights  
Barcode readable up to 1000 cycles  
Legend withstands up to 8000 cycles

### **Gloss (60°):**

Matte -- 30 Gardner Units  
Glossy -- 94 Gardner Units

### **Minimum Application Temperature:**

40°F (4°C)

### **Service Temperature:**

-40°F to 320°F (-40°C to 160°C)

**Average Outdoor Durability:**

3 to 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	F	F	NE
10% Sulfuric Acid	F	F	NE
30% HCl	F	F	NE
10% HCl	F	F	NE
50% NaOH	F	F	F
10% NaOH	F	F	F
Methyl Ethyl Ketone	F	NE	NE
Acetone	F	NE	NE
1,1,1-Trichloroethane	F	NE	NE
Methanol	F	NE	NE
IPA (Isopropanol)	NE	NE	NE
ASTM #3 Oil	NE	NE	NE
SAE 20 Oil	NE	NE	NE
Alconox®	F	NE	NE
Toluene	F	NE	NE
Mineral Spirits	NE	NE	NE
Glacial Acetic Acid	F	F	NE
5% Acetic Acid	NE	NE	NE
Diesel Fuel	F	NE	NE
Heptane	NE	NE	NE
Cellosolve Acetate	F	NE	NE
Conc. Ammonia	NE	NE	NE
10% Ammonia	NE	NE	NE
Turpentine	F	NE	NE
Kerosene	NE	NE	NE
Water	NE	NE	NE
Gasoline	F	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.

Product testing, customer feedback, and history of similar products, support a customer performance expectation of at least **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*. We are confident that our product will perform well beyond this time frame. However, it remains the responsibility of the user to assess the risk of using such product. We encourage customers to develop functional 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.)

PSTC: Pressure Sensitive Tape Council (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.

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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