

**BRADY B-870 SHADOW BOARD**

TDS No. B-870  
Effective Date: 11/02/2014

**Description:**

Brady B-870 Shadow Boards provide professional and standardized communication and storage points in a customer's facility. These products are often intended to have tools and objects hung from them using mounted zinc or stainless steel hardware. The printed images shows when a tool or object is missing (tool shadow) and fit within the overall branding of the facility (utilizing customer logos, graphics, and pictures).

**Details:**

**Use:**

Brady B-870 is used as a communication board and storage board in general manufacturing facilities and industries (indoor environments).

**Special Properties:**

Durable sign construction is subsurface printed to resist abrasion and scratching. Also tested against harsh washdown environments temperatures up to 140°F (60°C) and pressures up to 1000 PSI. Individual performance will vary based on application location and specific washdown conditions and procedures.

**Hardware Weight Restrictions:**

Brady does not recommend hanging or placing any objects that are above 15 pounds on any of the hardware pieces available with this product.

**Substrate Type:**

PETG

**Standard Material Colors:**

Clear PETG, white borders and background (custom color backgrounds available).

**Standard Legend Colors:**

Black, blue, green, magenta, orange, red, yellow, brown, and purple (custom legend colors available).

**Thickness (PSTC-133):**

0.22 in. (5.64 mm)

**Gloss:**

60° - 100 Gardner Units

**Weight:**

1.45 lb/ft<sup>2</sup> (7.08 kg/m<sup>2</sup>)

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

CS-17 wheels, 1000g wts  
Subsurface print legible after 20,000 cycles

**Service Temperature:**

-40°F to 140°F (-40°C to 60°C)

**Average Outdoor Durability:**

Not recommended for outdoor use.

**Chemical Resistance:**

REAGENT	7 DAY IMMERSION	DIP TEST
30% Sulfuric Acid	NE	NE
10% Sulfuric Acid	NE	NE
30% Hydrochloric Acid	NE	NE
10% Hydrochloric Acid	NE	NE

Glacial Acetic Acid	F	F
5% Acetic Acid	NE	NE
50% Sodium Hydroxide	NE	NE
10% Sodium Hydroxide	NE	NE
10% Ammonia	NE	NE
5% Sodium Hypochlorite	NE	NE
Methyl Ethyl Ketone	F	F
Acetone	F	F
Toluene	F	F
Methanol	NE	NE
Isopropyl alcohol	NE	NE
Heptane	NE	NE
Mineral Spirits	NE	NE
Turpentine	NE	NE
Kerosene	NE	NE
Diesel Fuel	NE	NE
Gasoline	NE	NE
ASTM #3 Oil	NE	NE
SAE 20 Oil	NE	NE
10% Sodium Chloride	NE	NE
3% Alconox®	NE	NE
DI Water	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.

**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.

Fed. Spec.: United States Federal Specification (U.S.A.)

PSTC: Pressure Sensitive Tape Council (U.S.A.)

**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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