

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/ft² (7.08 kg/m²)

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.

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