

## BRADY B-921 REFLECTIVE SOLAR LABELS

TDS No. B-921

Effective Date: 09/29/2021

### Description:

Brady B-921 Reflective Solar Labels

### Details:



### Use:

B-921 is used for identification around solar panel installation sites in outdoor environments.

### Regulatory/Agency Approvals

**UL:** B-921 is a UL Recognized Component to UL969 Labeling and Marking Standard. See UL fil MH10939 for specific details. UL information can be accessed online at [UL.com](http://UL.com) in the UL Product iQ area.

### Material Construction

ASTM D 4956 Type 1 Reflective Sheeting with clear acrylic overlaminates.

### Standard Background Color:

White

### Standard Legend Color:

Red

### Thickness (ASTM D 1000)

Total: 0.010 in. (0.25 mm)

### Gloss (20°)

47 Gardner Units

### Adhesive Properties:

Adhesion to Stainless Steel (PSTC-1)  
15 Minute Dwell (Avg.) – Destroys  
Tack (ASTM D 2979) (Avg.) – 450g (4.4 N)

### Abrasion Resistance (ASTM D 4060):

CS-10 wheels, 1000g wts  
The printed legend withstands up to 1300 cycles

### Minimum Application Temperature:

-10°F (-27°C)

### Service Temperature:

-20°F to 180°F (-29°C to 82°C)

**Average Outdoor Durability:**

Up to 5 years. (Average expected outdoor life of product will depend on user definition of failure, climatic conditions and mounting techniques.)

**Chemical Resistance:**

Chemical Resistance testing consisted of 5 cycles of 10 minute immersions in the specified chemicals followed by 30-minute recovery periods. Testing was conducted at room temperature.

Chemical Reagent	Chemical Resistance Results
30% Sulfuric Acid	NE
Glacial Acetic Acid	F
10% Sodium Hydroxide	NE
10% Ammonia	NE
5% Sodium Hypochlorite (bleach)	NE
MEK	F
Acetone	F
Isopropyl Alcohol	F
Mineral Spirits	F
Turpentine	F
Kerosene	F
Gasoline	F
Deionized Water	NE
3% Alconox®	NE

NE = No Effect to sample  
F = Fail (sample affected)

**Shelf Life:**

Shelf life is 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. It remains the responsibility of the user to assess the risk of using this product. We encourage customers to develop testing protocols that will qualify a product's fitness for use in their actual application.

**Trademarks:**

ASTM: American Society for Testing and Materials (U.S.A.)  
Alconox® is a registered trademark of Alconox Co.  
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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