



## Technical Data Sheet

### Brady B-2551 Aqueous Inkjet Printable Tagstock

TDS Number: B-2551

Effective Date: 10/31/2018

#### **Description:**

Brady B-2551 indoor/outdoor marking tag stock is an aqueous inkjet printable, rigid, matte finish, tag product. B-2551 is designed to be used with the BradyJet™ J5000 Color Label Printer and BradyJet™ J2000 Color Label Printer.

#### **Details:**

##### **Use:**

B-2551 enables compliance if printed according to OSHA standard 1910.145 for accident prevention tags.

B-2551 enables compliance if printed and applied according to OSHA standard 1910.147 for tag out tags and lockout tags.

##### **Special Properties:**

Aqueous inkjet receptive vinyl that yields full color and high resolution graphics.

##### **Substrate Type:**

Heavy duty polyester with an inkjet printable vinyl

##### **Standard Material Colors:**

White

##### **Recommended Inks:**

**J5000:** BradyJet™ J50 series ink cartridges; cyan, magenta, yellow, and black

**J2000:** BradyJet™ J20 series ink cartridge; cyan, magenta, and yellow

##### **Thickness:**

0.0151 in. ( 0.384 mm)

##### **Abrasion Resistance (ASTM D4060):**

CS-10 wheels, 250 g wts.

Print legible up to 500 cycles with J50 series pigment inks

Print legible up to 500 cycles with J20 series pigment inks

*Note: same print settings as those used for chemical resistance (see below)*

##### **Gloss (85°):**

85 ° 8.4 Units

##### **Service Temperature:**

-40°F to 140°F (-40°C to 60°C).

##### **Pullout Strength:**

With Plastic Grommet: 75 lbs

No Grommet: 60 lbs

### **Average Outdoor Durability:**

J5000: Up to 1 year. (Average expected outdoor life of product will depend on user definition of failure, climatic conditions, mounting techniques, and printed color).

J2000: Up to 6 months. (Average expected outdoor life of product will depend on user definition of failure, climatic conditions, mounting techniques, and printed color).

### **Chemical Resistance:**

Samples were printed using J50 series pigment inks with a BradyJet J5000 Color Label Printer by Brady recommended printer settings (Quality: Normal, Saturation: medium color + black). 100% Cyan(C), magenta(M), yellow(Y), and black (K) squares are printed for these tests.

Samples were printed using J20 series pigment inks with a BradyJet J2000 Color Label Printer by Brady recommended printer settings (Quality Mode: 3, Color Matching: best for graphics). 78% Cyan(C), magenta(M), yellow(Y), and process black (K) squares are printed for these tests.

Testing conducted at room temperature after equilibrating samples for 24 hours post printing.

REAGENT	J50 series ink cartridges		J20 series ink cartridges	
	7 DAY IMMERSION	RUB TEST	7 DAY IMMERSION	RUB TEST
Deionized Water	CMYK:NE	CMYK:NE	CMYK:NE	CMYK:NE
Windex® Commercial Line™ Original Glass Cleaner	CMYK: F1	CMYK:F2	CMYK: F1	CMYK:F2
10% HCl (pH 1)	CMYK:NE	CMYK:NE	CMYK:NE	CMYK:NE
10 wt% Sodium Chloride	CMYK:NE*	CMYK:NE	CMYK:NE*	CMYK:NE
10% NaOH (pH 14)	CMYK:F3	CMYK:NE*	CMYK:F3	CMYK:NE*
Isopropyl Alcohol	CMYK:NE	CMYK:F2	CMYK:NE	CMYK: F2
50 wt% ethanol	CMYK:NE	CMYK:F2	CMYK:NE	CMYK:F2
Gasoline	CMYK:NE	CMYK:F2	CMYK:NE	CMYK:F2

NE = No Effect on printed sample.

NE\*= Reversible change. Coating discolors, within 24 hours reverts back to original color. No Ink removal.

F1= Fail – Coating turns blue. No ink removal.

F2= Fail – Moderate-complete ink removal.

F3= Fail – No Ink removal. Delamination.

7 Day Immersion: Immersed in reagent for 7 days.

Rub Test: 100 hand rubs over a minute with a Q-tips® Cotton Swab soaked in reagent by applying minimal pressure.

### **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.)

Q-tips® Cotton Swabs is a registered trademark of Unilever

Windex® Commercial Line™ Original Glass Cleaner

**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.

Product compliance information is based upon information provided by suppliers of the raw materials used by Brady to manufacture this product or based on results of testing using recognized analytical methods performed by a third party, independent laboratory. As such, Brady makes no independent representations or warranties, express or implied, and assumes no liability in connection with the use of this information.

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