

## Technical Data Sheet



### BRADY B-2581 AQUEOUS INKJET PRINTABLE REPOSITIONABLE VINYL LABEL STOCK

TDS No. B-2581

Effective Date: 11/7/2019

**Description:** B-2581 is an aqueous, inkjet printable, matte finish, white vinyl label stock with a repositionable adhesive. B-2581 is designed to be used with the BradyJet™ J2000 and J5000 Color Label Printers.

**Details:**

Aqueous inkjet printable label stock that yields full color and high resolution graphics.

**Use:**

Brady B-2581 is used for labeling where frequent repositioning may be required.

**Adhesive Type:**

Repositionable

**Substrate Type:**

Vinyl

**Standard Material Colors:**

White

**Thickness:**

0.0106 inches (0.27 mm)

**Adhesive Properties:**

Adhesion to Stainless Steel

15 Minutes Dwell (Avg) up to 17 oz/in (19 N/100mm)

Ultimate Dwell (72 Hrs Avg) up to 32 oz/in (35 N/100mm)

**Abrasion Resistance (ASTM D4060):**

CS-10 wheels, 250 g wts.

Print legible up to 150 cycles with J50 series pigment inks

Print legible up to 150 cycles with J20 series pigment inks

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

**Minimum Application Temperature:**

50°F (10°C).

**Service Temperature:**

-40°F to 140°F (-40°C to 60°C).

**Average Outdoor Durability:**

Not recommended for outdoor use

**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). 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, Saturation: 78%, Color Matching: best for graphics). 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™<br>Original Glass Cleaner | CYMK:F1                   | CYMK:NE  | CYMK:F1                   | CYMK:NE  |
| 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:NE1                  | CMYK:NE1 | CMYK:NE1                  | CMYK:NE1 |
| Isopropyl Alcohol                                  | CMYK:NE                   | CYMK:F2  | CMYK:NE                   | CYMK:F2  |
| 50 wt% ethanol                                     | CMYK:NE                   | CMYK:F2  | CMYK:NE                   | CMYK:F2  |
| Gasoline   | CMYK:NE2                  | CMYK:F2  | CMYK:NE2                  | CMYK:F2  |

NE = No effect on printed sample.

NE1= Reversible change. Coating turns yellow. Within 24hrs reverts back to original color. No ink removal

NE2= No effect on printed sample. Adhesive is compromised

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

F2= Fail – Some ink removal.

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.

#### **REGULATORY / AGENCY APPROVALS**

For information on the Weee-RoHS compliance status for a Brady Product go to one of the following websites:

In Canada: [www.bradycanada.ca/weee-rohs](http://www.bradycanada.ca/weee-rohs)

In Europe: [www.bradyeurope.com/rohs](http://www.bradyeurope.com/rohs)

In Japan: [www.brady.co.jp/products/labelsuse/rohs](http://www.brady.co.jp/products/labelsuse/rohs)

All other regions: [www.bradyid.com/weee-rohs](http://www.bradyid.com/weee-rohs)

#### **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.

**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 the results of testing using recognized analytical methods performed by a third party, independent laboratory. As such, Brady makes no independent representation or warranties, express or implied, and assumes no liability in connection with the use of this information.

#### **WARRANTY**

Brady products are sold with the understanding that the buyers will test them in actual use and determine for themselves their adaptability to their intended uses. Brady warrants to the buyer that its products are free from defects in material and workmanship, but limits its obligations under this warranty to replacement of the product shown to Brady's satisfaction to have been defective at the time Brady sold it. This warranty does not extend to any persons obtaining the product from the buyers. This warranty is in lieu of any other warranty, express or implied, including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose, and any other obligations or liability on Brady's part. Under no circumstances will Brady be liable for any loss, damage, expense, or consequential damages of any kind arising in connection with the use, or inability to use, Brady's products.

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