



**BRADY B-2569 AQUEOUS INKJET PRINTABLE PET FILM WITH PERMANENT ADHESIVE**

TDS No. B-2569  
 Effective Date: 11/4/2021

**Description:**

Brady B-2569 marking film is an aqueous inkjet printable, flexible, matte finish, pressure sensitive adhesive product. B-2569 is designed to be used with the BradyJet™ J2000, J4000, and J5000 Color Label Printers.

**Details:**

**Use:**  
 Brady B-2569 is used indoors and outdoors for Pipe Markers, Arrow Tape, Warehouse Marking, Warning Panels, Safety Signs, Arc Flash and Visual Workplace labels.

**Special Properties:**

Aqueous inkjet printable polyester that yields full color and high resolution graphics. Permanent acrylic pressure sensitive adhesive in B-2569 makes it applicable at cold temperatures.

**Adhesive Type:**

Acrylic

**Substrate Type:**

Polyester

**Standard Material Colors:**

White

**Recommended Inks:**

- J2000: BradyJet™ J20 Full Color Ink Cartridge; cyan, magenta, and yellow
- J4000: BradyJet™ J40 Full Color Ink Cartridge; cyan, magenta, and yellow
- J5000: BradyJet™ J50 Color Ink Cartridges; cyan, magenta, and yellow, and black

B-2595 is also compatible with non-Brady inkjet printers that use pigment-based inks such as Epson® Colorworks C3500, Epson® Colorworks C6000A, Epson® Colorworks C7500G, and AstroNova® QuickLabel® QL-120D. Customers should complete their own evaluation for fitness of use for their application. Contact Brady customer service for further information.

**Thickness:**

- Test method: ASTM D1000
- Substrate: 0.0035 inch (0.0889 mm)
- Adhesive: 0.0012 inch (0.0305 mm)
- Total (excluding liner): 0.0047 inch (0.1194 mm)

**Adhesive Properties:**

Substrate	15 Minute Dwell (avg) oz/in (N/100mm)	Ultimate Dwell - 72 hrs (avg) oz/in (N/100mm)
Stainless steel	74 (81)	74 (81)
Powder Coated Metal	48 (53)	76 (83)
Polypropylene	72 (79)	63 (69)
Acrylonitrile butadiene styrene (ABS)	76 (83)	76 (83)
Glass	76 (84)	76 (84)

**Note** - B-2569 is not recommended for bare concrete or unpainted wood

**Abrasion Resistance:**

Test method: ASTM D4060  
 CS-10 wheels, 250 g wts.  
 Print legible up to 100 cycles with J20 series CMY inks  
 Print legible up to 100 cycles with J40 series CMY inks  
 Print legible up to 100 cycles with J50 series CMYK inks

**Minimum Application Temperature:**

0°F (-18 °C)

**Service Temperature:**

-40 °F to 140 °F (-40 °C to 60 °C)

**Average Outdoor Durability:**

Average expected outdoor life of product will depend on user definition of failure, climatic conditions, mounting techniques, and printed color.

J2000 CMY inks: Up to 2 years  
 J4000 CMY inks: Up to 2 years  
 J5000 CMYK inks: Up to 2 years

**Chemical Resistance:**

Cyan (C), magenta (M), yellow(Y), and black (K) squares were printed using printer settings defined below prior to testing.

BradyJet J2000: Quality Mode: 3, Saturation: 78%, Color Matching: best for graphics  
 BradyJet J4000: Quality Mode: 4, Saturation: 80%, Color Matching: vivid graphics  
 BradyJet J5000: Quality: Normal, Saturation: medium color + black

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

REAGENT	J20 series ink cartridges		J40 series ink cartridges		J50 series ink cartridges	
	7 DAY IMMERSION	RUB TEST	7 DAY IMMERSION	RUB TEST	7 DAY IMMERSION	RUB TEST
Deionized Water	1	1	1	1	1	2
10 wt% Sodium Chloride	1	1	1	1	1	2
50 wt% Ethanol	1	1	1	2	1	2
10% NaOH (pH 14)	3	2	3	2	3	2
Gasoline	1*	3	1*	3	1*	3
Isopropyl Alcohol	1	3	1	3	1	3
Windex® Commercial Line™ Original Glass Cleaner	1	2	1	2	2	2
10% HCl (pH 1)	1	1	1	1	1	1

**Rating Scale:**

- 1 = No visible effect
- 2 = Effect to printed image
- 3 = Complete ink / topcoat removal
- \* = Adhesive failure

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 Weeee-RoHS compliance status for a Brady Product go to one of the following websites:

In Canada: [www.bradycanada.ca/weeee-rohs](http://www.bradycanada.ca/weeee-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/weeee-rohs](http://www.bradyid.com/weeee-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.

**Trademarks**

ASTM: American Society for Testing and Materials (U.S.A.)

AstraNova® is a registered trademark of AstraNova, Inc

Epson® is a registered trademark of Seiko Epson Corporation

QuickLabel® is a registered trademark of Astra Nova®, Inc.

Windex® Commercial Line™ Original Glass Cleaner is a registered trademark of SC Johnson & Sons, Inc.

Q-tips® is a registered trademark of Unilever.

**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 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 buyers 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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