



Technical Data Sheet

BRADY B-2439 AQUEOUS INKJET PRINTABLE VINYL FILM WITH PERMANENT ADHESIVE

TDS No. B-2439

Effective Date: 07/31/2026

Description:

Brady B-2439 marking film is an aqueous inkjet printable, flexible, matte finish, pressure sensitive adhesive product. B-2439 is designed for use with the BradyJet™ J7300 Color Label Printers.

Details:

Use:

Brady B-2439 is used indoors for finished product identification, barcode labeling, rating plates, and general purpose identification

Special Properties:

Aqueous inkjet printable polyester that yields full color and high resolution graphics. Permanent acrylic pressure sensitive adhesive in B-2439 makes it applicable at cold temperatures.

Adhesive Type:

Acrylic

Substrate Type:

Vinyl

Standard Material Colors:

White

Recommended Inks:

J7300: BradyJet™ P-Series Ink Cartridges: cyan/magenta/yellow and black

B-2439 is also compatible with non-Brady inkjet printers that use pigment-based inks such as Epson® Colorworks C3500, Epson® Colorworks C6000A, Epson® Colorworks C7500G. 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: 0.0043 inch (0.1092 mm)

Adhesive: 0.0010 inch (0.0254 mm)

Total (excluding liner): 0.0053 inch (0.1346 mm)

Adhesive Properties:

Substrate	15 Minute Dwell (avg) oz/in (N/100mm)	Ultimate Dwell - 72 hrs (avg) oz/in (N/100mm)
Stainless steel	88 (96)	82 (90)
Powder Coated Metal	51 (55)	66 (72)
Polypropylene	83 (91)	85 (93)
Acrylonitrile butadiene styrene (ABS)	85 (93)	84 (92)
Glass	87 (95)	86 (94)

Note - B-2439 is not recommended for bare concrete or unpainted wood

Samples laminated to aluminum panels. All samples allowed to dwell 24 hours prior to testing.

PERFORMANCE PROPERTIES	TEST METHODS	EFFECT TO PRINT
High Service Temperature	30 days at 176°F (80°C)	No visible effect
Low Service Temperature	30 days at -94°F (-70°C)	No visible effect
Humidity Resistance	30 days at 100°F (37°C), 95% R.H.	No visible effect
UV Light Resistance	30 days in UV Sunlighter™ 100	Slight color loss
Weatherability	ASTM G155, Cycle 1 30 days in Xenon Arc Weatherometer	No visible effect
Abrasion Resistance	Test Method: ASTM D4060 CS-10 wheels, 250 g wts	Print legible up to 100 cycles with P-Series CMYK inks

Chemical Resistance:

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

BradyJet J7300: Print mode: Default

Testing conducted at room temperature after equilibrating samples for 24 hours post printing. Testing consisted of 5 cycles of 10 minute immersions in the specified chemical reagent followed by a 30 minute recovery period. Samples rubbed 10 times with a cotton swab in the test fluid after the final immersion.

Chemical Reagent	Visual Change/Effect to Label Stock	Visual Change/Printing Immersion Only	Visual Change/Print with Cotton Swab Rub
Isopropyl Alcohol	No Visible Effect	No Visible Effect	No Visible Effect
Mineral Spirits	No Visible Effect	No Visible Effect	No Visible Effect

JP-4 Jet Fuel	No Visible Effect	No Visible Effect	No Visible Effect
ASTM #3 Oil	No Visible Effect	No Visible Effect	No Visible Effect
Mil 5606 Oil	Some Visible Effect	No Visible Effect	No Visible Effect
Super Agitene®	No Visible Effect	No Visible Effect	No Visible Effect
Alphametals BIOACT® EC-7RTM	No Visible Effect	No Visible Effect	No Visible Effect
Deionized Water	No Visible Effect	No Visible Effect	No Visible Effect
3% Alconox® Detergent	No Visible Effect	No Visible Effect	No Visible Effect
10% Sodium Hydroxide Solution	No Visible Effect	No Visible Effect	No Visible Effect
10% Sulfuric Acid Solution	Some Visible Effect	No Visible Effect	No Visible Effect

B-2439 is not recommended for use in harsh solvents such as 1,1,1 - Trichloroethane, Methyl Ethyl Ketone, or Toluene.

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

In Europe: www.bradyeurope.com/rohs

In Japan: www.brady.co.jp/products/labelsuse/rohs

All other regions: www.bradyid.com/weee-rohs

Shelf Life

Shelf life is one year 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)

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All S.I. Units (metric) are mathematically derived from the U.S. CoNo Visible Effectntional

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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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