



**THE DATASHEET OF
J50C-4250-2509**





BRADY B-2509 AQUEOUS INKJET PRINTABLE WHITE MAGNETIC LABEL STOCK

TDS No. B-2509
Effective Date: 5/9/2024

Description:

Brady B-2509 white magnetic label stock is an aqueous inkjet printable, matte finish product that adheres via magnetic attraction. B-2509 is designed to be used with the BradyJet™ J2000, J5000, and J7300 Color Label Printers.

Details:

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

Use:

Brady B-2509 is used for temporary, reusable, and movable signs.

Substrate Type:

Magnetic sheeting with a white inkjet receptive surface

Standard Material Colors:

White

Thickness:

0.021 inches (0.53 mm)

Abrasion Resistance (ASTM D4060):

CS-10 wheels, 250 g wts.

Print legible up to 500 cycles with J20 series CMY inks, J50 series CMYK inks, and P-series CMYK inks

Service Temperature

-40°F to 140°F (-40°C to 60°C)

Average Outdoor Durability:

Not recommended for outdoor use.

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 J5000: Quality: Normal, Saturation: medium color + black

BradyJet J7300: Print mode: Default

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

REAGENT	J50 series ink cartridges		J20 series ink cartridges		P-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	1(K2)
10 wt% Sodium Chloride	1	1	1	1	1	1(K2)

50 wt% Ethanol	3*	3	3*	3	2*	3
10% NaOH (pH 14)	3*	2	3*	2	3	2
Gasoline	3*	3	3*	3	3*	3
Isopropyl Alcohol	1	3	1	3	1	3
Windex® Commercial Line™ Original Glass Cleaner	2	2	2	2	2	2
10% HCl (pH 1)	2	1	2	1	1	1(K2)

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.

Rating Scale:

1 = No visible effect on printed sample. For rub test, some ink noted on cotton swab.

2 = Effect to printed image. For rub test, ink on cotton swab.

3 = Complete ink/topcoat removal.

* = Blistering or delamination from magnet.

Note: Deviations in results for individual colors are noted in parentheses. For example, 1(K2) denotes a 2 rating for black and a 1 rating for the other colors.

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 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.

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