



BRADY B-2595 AQUEOUS INKJET PRINTABLE VINYL FILM WITH PERMANENT ADHESIVE

TDS No. B-2595
Effective Date: 5/9/2024

Description:

Brady B-2595 marking film is an aqueous inkjet printable, flexible, matte finish, pressure sensitive adhesive product. B-2595 is designed for use with the BradyJet™ J2000, J4000, J5000, and J7300 Color Label Printers.

Details:

Use:
Brady B-2595 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-2595 makes it applicable at cold temperatures.

Adhesive Type:

Acrylic

Substrate Type:

Vinyl

Standard Material Colors:

White

Recommended Inks:

- J2000: BradyJet™ J20 Full Color Ink Cartridge: cyan/magenta/yellow
- J4000: BradyJet™ J40 Full Color Ink Cartridge: cyan/magenta/yellow
- J5000: BradyJet™ J50 Color Ink Cartridges: cyan, magenta, yellow, and black
- J7300: BradyJet™ P-Series Ink Cartridges: cyan/magenta/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: 0.0043 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-2595 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 and J40 series CMY inks, J50 series CMYK inks, and P-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 the product will depend on user definition of failure, climatic conditions, mounting techniques, and printed color.

Up to 2 years with J20 and J40 series CMY inks, J50 series CMYK inks, and 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 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

BradyJet J7300: Print mode: Default

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		P-Series ink cartridges	
	7 DAY IMMERSION	RUB TEST	7 DAY IMMERSION	RUB TEST	7 DAY IMMERSION	RUB TEST	7 DAY IMMERSION	RUB TEST
Deionized Water	1	1	1	1	1	2	1	1(K2)
10 wt% Sodium Chloride	1	1	1	1	1	2	1	1(K2)
50 wt% Ethanol	1	3	1	3	1	3	1	3
10% NaOH (pH 14)	2	2	2	2	2	2	2	2
Gasoline	1*	3	1*	3	1*	3	1*	3
Isopropyl Alcohol	1	3	1	3	1	3	1	3
Windex® Commercial Line™ Original Glass Cleaner	2	2	2	2	2	2	2*	2(C3)
10% HCl (pH 1)	1	1	1	1	1	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

2 = Effect to printed image

3 = Complete ink / topcoat removal

* = Adhesive failure

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 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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QuickLabel® is a registered trademark of Astro 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.

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