

# Technical Data Sheet



## BRADY B-2855 AQUEOUS INKJET PRINTABLE PERMANENT POLYESTER LABEL FOR HARSHWASH ENVIRONMENTS

TDS No. B-2855

Effective Date: Nov 2025

### **Description:**

Brady B-2855 is a high durability aqueous inkjet printable, flexible, matte finish, pressure sensitive adhesive product for the Food and Beverage Processing Industry. B-2855 is designed to be used with the BradyJet™ Color Label Printers.

### **Details:**

#### Use:

Brady B-2855 is used for Facility Marking, Warning Panels, Pipe Markers, Safety Signs, Arrow Tape, Warehouse Marking, Arc Flash, and Visual Workplace labels.

Brady B-2855 is RoHS compliant to 2005/618/EC MCV amendment to RoHS Directive 2002/95/EC.

#### Special Properties:

Aqueous inkjet printable polyester that yields full color and high-resolution graphics.

Durable label construction is tough against harsh washdown environments and has been tested at washdown temperatures up to 175° F (80° C) and pressures up to 1500 PSI. Individual performance will vary based on application location and specific washdown conditions and procedures.

#### Substrate Type:

Polyester

#### Standard Material Colors:

White

#### Recommended Inks:

BradyJet™ J40 series Full Color Ink Cartridge: cyan/magenta/yellow

BradyJet™ P-series Ink Cartridge: cyan/magenta/yellow and black

#### Thickness:

Test method: ASTM D1000

Substrate: 0.0072 inch (0.184 mm)

Adhesive: 0.0014 inch (0.036 mm)

Total (excluding liner): 0.0087 inch (0.22 mm)

#### Adhesive Properties:

Adhesion to Stainless Steel

15 Minutes Dwell (Avg) 40 oz/in. (44 N/100mm)

Ultimate Dwell (72 Hrs Avg) 63 oz/in. (69 N/100mm)

#### Abrasion Resistance (ASTM D4060):

Test Method: ASTM D4060

CS-10 wheels, 250 g weights

No effect after 250 cycles with J40 series CMY inks and P-Series CMYK inks

#### Minimum Application Temperature:

40°F (4 °C)

#### Service Temperature:

Long term: -40 °F to 140 °F (-40 °C to 60 °C)

Short term maximum: 212 °F (100 °C)

Pressure washing water temperature: 175° F (80° C)

**Chemical Resistance:**

Brady B-2855 has been developed and tested for durability against a variety of Food and Beverage Industry cleaning and sanitizing solutions.

Cyan (C), magenta (M), yellow (Y), and black (K) squares were printed on B-2855 using the printer settings and inks defined below prior to testing.

BradyJet™: J4000: Quality Mode: 4, Saturation: 70%, Color Matching: Best of Graphics

BradyJet™: J7300: Print Mode: Default

Samples were laminated onto polypropylene, equilibrated at room temperature for 24 hours, and soaked into solutions containing the following reagents and conditions:

| REAGENT               | Type                               | Condition | J4000     |     | J7300     |     |
|-----------------------|------------------------------------|-----------|-----------|-----|-----------|-----|
|                       |                                    |           | Immersion | Rub | Immersion | Rub |
| Enfore™ LP            | Chlorinated alkaline cleaner       | 50 °C     | 2         | 2   | 1         | 1   |
| HD PL-10™ Plus        | Inorganic acid cleaner             | RT        | 1         | 1   | 1         | 1   |
| Heavy Duty Acid LC-30 | Strong acid cleaner                | 70 °C     | 2         | 2   | 1         | 1   |
| Soil Off™ II          | Alkaline/near neutral cleaner      | 50 °C     | 2         | 3   | 2         | 3   |
| Madisan 75            | Quaternary amine sanitizer         | RT        | 1         | 1   | 1         | 1   |
| Vortexx™              | Peroxy acid/organic acid sanitizer | 50 °C     | 2         | 2   | 1         | 1   |
| XY12®                 | Sodium hypochlorite sanitizer      | RT        | 1         | 1   | 1         | 1   |

**Rating Scale**

- 1: no visible effect
- 2: slight smear or print removal (detectable but minimal smear)
- 3: moderate smear or print removal (still legible)
- 4: severe smear or print removal (print illegible or barely legible)

Chemical resistance testing, in the above chemicals was performed by completing 10 cycles of 10-minute immersions, followed by 20-minute rest periods. After the 10<sup>th</sup> cycle, samples were rubbed with a cotton-tipped swab.

**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/labeluse/rohs](http://www.brady.co.jp/products/labeluse/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.

**Performance Expectations:**

The performance of B-2855 labels may vary based upon the specific environment it was subjected to (including variation in chemicals, water pressure, water temperature, and abrasive materials used during the wash down process). To ensure the performance meets users' requirements, B-2855 labels should be tested in users' specific environment with consistent monitoring. Please visit BradyID.com/food to order test samples and view more detailed product technical specifications.

**Trademarks:**

ANSI: American National Standards Institute (U.S.A.)  
ASTM: American Society for Testing and Materials (U.S.A.)  
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BradyJet™ J7300 is a trademark of Brady Worldwide, Inc.  
Enforce™ is a trademark of Ecolab USA Inc.

Globalmark® is a registered trademark of Brady Worldwide, Inc.  
HD PL-10™ Plus is a trademark of Ecolab USA Inc.  
Soil Off™ II is a trademark of Ecolab USA Inc.  
Vortexx™ is a trademark of Ecolab USA Inc.  
XY-12® is a registered trademark of Ecolab USA Inc.

**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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