

**BRADY B-403 THERMAL TRANSFER PRINTABLE WATER DISSOLVABLE PAPER LABEL STOCK**

TDS No B-403  
Effective Date: 03/24/2021

**Description:**

**GENERAL**

Print Technology: Thermal Transfer, Aqueous Pigment Inkjet  
Material type: White Paper  
Finish: Matte  
Adhesive: Acrylic

**APPLICATIONS**

General purpose, temporary labeling applications

**RECOMMENDED RIBBON & INKS**

Brady Series R4300 black ribbon  
BradyJet™ J20 series ink cartridge: cyan, magenta, and yellow

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

All other regions: [www.bradyid.com/weee-rohs](http://www.bradyid.com/weee-rohs)

**SPECIAL FEATURES**

B-403 is constructed with a water soluble paper and a dissolvable adhesive that leaves no residue on a container.

**Details:**

PHYSICAL PROPERTIES	TEST METHODS	AVERAGE RESULTS
Thickness	ASTM D 1000 Total (excluding liner)	0.0030 inch (0.0762 mm)
Adhesion to: -Stainless Steel -Polypropylene -Glass	ASTM D 1000 20 minute dwell	Destroys upon removal from all listed surfaces.

Performance properties tested on B-403 printed with Brady Series R4300 ribbon and BradyJet™ J20 series ink cartridge: cyan, magenta, and yellow. Printed samples of B-403 were laminated to aluminum and allowed to dwell 24 hours before exposure to the indicated environmental conditions.

PERFORMANCE PROPERTIES	TEST METHOD	TYPICAL RESULTS
Long Term High Service Temperature	30 days at various temperatures	No visible effect, print remains legible at 50°C. Very slight discoloration when compared to unexposed material, print remains legible at 80°C. Moderate discoloration, print remains legible, labels remains functional at 100°C.
Low Service Temperature	30 days at -70°C	No visible effect

Humidity Resistance	30 days at 38°C/95% relative humidity	No visible effect
Abrasion Resistance	Taber Abraser, CS-10 grinding wheels, 250 g/arm (Fed. Std. 191A, Method 5306)	Print legible after 100 cycles

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 70° F (21° 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 applications.

**Trademarks:**

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

**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.

**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 obligation 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 of 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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