

BRADY B-2475 AQUEOUS INKJET PRINTABLE UL/cUL LISTED POLYESTER LABEL STOCK

TDS No. B-2475
 Effective Date: 11/4/2021

Description: B-2475 is a matte white polyester film with a permanent acrylic pressure sensitive adhesive and an inkjet printable topcoat for general labeling and barcoding applications. B-2475 is designed to be used with the BradyJet™ J2000 and J4000 Color Label Printers.

General:

Print Technology: Inkjet
Materials Type: White Polyester
Finish: Matte white
Adhesive: Permanent acrylic

Applications: Rating Plates, Asset ID, and component labeling where a combination of high quality/density alphanumeric, barcodes and color graphics - like logos or nameplates are used.

Recommended Printers/Inks:

J2000: BradyJet™ J20 Full Color Ink Cartridge; cyan, magenta, and yellow
 J4000: BradyJet™ J40 Full Color Ink Cartridge; cyan, magenta, and yellow

Regulatory/Agency Approvals

UL: B-2475 is a UL Recognized Component to UL969 Labeling and Marking Standard when printed with the Brady J20 and J40 CMY inks. See UL file MH17154 for specific details. UL information can be accessed on line at UL.com in the UL Product iQ area.

cUL: B-2475 is cUL Accepted to C22.2 No.0.15 Adhesive Labels Standard when printed with the Brady J20 and J40 CMY inks. See UL file MH17154 (PGJ18) for specific details. UL information can be accessed on-line at UL.com in the UL Product iQ.

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

Thickness:

Test method: ASTM D1000
 Substrate: 0.0035 inch (0.0889 mm)
 Adhesive: 0.0012 inch (0.0305 mm)
 Total (excluding liner): 0.0047 inch (0.1194 mm)

Adhesive Properties:

Substrate	15 Minute Dwell (avg) oz/in (N/100mm)	Ultimate Dwell - 72 hrs (avg) oz/in (N/100mm)
Stainless steel	74 (81)	74 (81)
Powder Coated Metal	48 (53)	76 (83)
Polypropylene	72 (79)	63 (69)
Acrylonitrile butadiene styrene (ABS)	76 (84)	76 (84)
Glass	76 (84)	76 (84)

Note: B-2475 is not recommended for bare concrete or unpainted wood

Minimum Application Temperature:

0°F (-18°C).

Service Temperature:

-40°F to 140°F (-40°C to 60°C).

Chemical Resistance

Samples were printed with the Brady J20 and J40 CMY inks using the BradyJet J2000 and J4000 printers, respectively. Samples were laminated to aluminum panels (except for the samples exposed to Northwoods™ Buzzsaw Citrus Degreaser which was laminated to a polypropylene panel) and allowed to dwell 24 hours prior to testing. Testing was conducted at room temperature and consisted of 30 minute immersions in the specified test fluid. After immersion, the samples were removed from the test fluid, and the printed image was rubbed 10 times with a cotton swab saturated with the test fluid. The rating scale below shows the effect on the quality of the print for each sample.

Chemical Reagent	Subjective Observation of Visual Change			
	Effects to Printed Image			
	Brady J20 CMY		Brady J40 CMY	
	Without Rub	With Rub	Without Rub	With Rub
Deionized Water	1	1	1	1
Isopropanol	1	2	1	2
TruFuel® 4 Cycle Engineered Fuel	1	1	1	1
SAE 20 wt oil @ 70°C	1	1	1	1
Mil 5606 Oil	2	1	2	1
Formula 409®	1	1	1	1
Northwoods™ Buzzsaw Citrus Degreaser	2	1	2	1

Rating Scale:

1 = No visible effect

2 = Effect to printed image

3 = Complete ink / topcoat removal

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.

Trademarks

Formula 409® is a registered trademark of the Clorox Company

Northwoods™ is a registered trademark of the Superior Chemical Company

TruFuel® is a registered trademark of the Calumet Specialty Products Partners, L.P.

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

UL: Underwriters Laboratories Inc. (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.

Product compliance information is based upon information provided by suppliers of the raw materials used by Brady to manufacture this product or based on results of testing using recognized analytical methods performed by a third party, independent laboratory. As such, Brady makes no independent representations or warranties, express or implied, and assumes no liability in connection with the use of this 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

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