

**BRADY B-408 MATTE WHITE PAPER LABEL STOCK**

TDS No. B-408  
Effective Date: 06/11/2009

**Description:**

**GENERAL**

**Print Technology:** Thermal Transfer

**Material Type:** White Paper

**Finish:** Matte

**Adhesive:** Removable acrylic

**APPLICATIONS**

General labeling and barcoding applications where the label needs to be removed or repositioned.

**RECOMMENDED RIBBONS**

Brady Series R6100

**REGULATORY**

B-408 is RoHS compliant to 2005/618/EC MCV amendment to RoHS Directive 2002/95/EC.

**SPECIAL FEATURES**

B-408 is designed to be removable after 30 days from cardboard, stainless steel, glass and polypropylene when used at ambient conditions.

**Details:**

PHYSICAL PROPERTIES	TEST METHODS	AVERAGE RESULTS
Thickness	ASTM D 1000 -Substrate/Adhesive	0.0030 inch (0.0762 mm)
Adhesion to:	ASTM D 1000	
-Stainless Steel	20 minute dwell 24 hour dwell	3 oz/in (3 N/100 mm) 4 oz/in (4 N/100 mm)
-Polypropylene	20 minute dwell 24 hour dwell	4 oz/in (4 N/100 mm) 4 oz/in (4 N/100 mm)
-Glass	20 minute dwell 24 hour dwell	2 oz/in (2 N/100 mm) 3 oz/in (3 N/100 mm)
-Smooth ABS	20 minute dwell 24 hour dwell	12 oz/in (15 N/100 mm) 20 oz/in (22 N/100 mm)
-Cardboard*	20 minute dwell 24 hour dwell	1 oz/in (1 N/100 mm) 1 oz/in (1 N/100 mm)
Tack	ASTM D 2979 Polyken™ Probe Tack 1 second dwell	19 oz (526 g)

\* Different types of cardboard and corrugated material will yield varied results. B-408 is not recommended for use with wax coated corrugated cardboard.

The following testing is performed with B-408 thermal transfer printed on a BradyPrinter™ THT 200M, 300X, and 600X Plus using a Brady Series R6100 ribbon. Samples laminated to glass, stainless steel, polypropylene, smooth ABS and cardboard panels. All samples allowed to dwell 24 hours prior to testing.

PERFORMANCE PROPERTIES	TEST METHODS	TYPICAL RESULTS
Service Temperature	30 days at 158°F (70°C )	No visible effect.
UV Light Resistance	30 days in UV Sunlighter™ 100	Not recommended for outdoor exposure. No visible effect to print.
Weatherability	ASTM G 26 30 days in Xenon Arc Weatherometer	Not recommended for outdoor exposure.

Humidity Resistance	30 days at 100°F (37°C), 95% R.H.	Labels exposed to elevated humidity conditions will have decreased adhesion to the underlying substrate. No visible effect to print.
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Product testing, customer feedback, and history of similar products, support a customer performance expectation of at least **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 degrees F (27 degrees C) and 60% RH*. We are confident that our product will perform well beyond this time frame. However, it remains the responsibility of the user to assess the risk of using such product. We encourage customers to develop functional testing protocols that will qualify a product's fitness for use, in their actual applications.

**Trademarks:**

BradyPrinter™ is a trademark of Brady Worldwide, Inc.  
 Polyken™ is a trademark of Testing Machines Inc.  
 Sunlighter™ is a trademark of the Test Lab Apparatus Company  
 ASTM: American Society for Testing and Materials (U.S.A.)  
 All S.I. Units (metric) are mathematically derived from the U.S. Conventional Units.

**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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