

## Brady B-514 Floor Marking Graphics

TDS No. B-514

Effective Date: 2011-06-29

### Description:

Brady B-514 is a surface printed polyester with a rigid, clear polyester overlamine

### Details:



### Use:

Brady B-514 is used to mark aisles, passageways, storage locations, and point out safety equipment and exits

### Special Properties:

Brady B-514 exhibits a dry slip index of 1.0 when tested using an English XL Variable Incidence Tribometer per ASTM / ANSI F1679. B-514 exceeds safety standards for clean, dry non-slip surfaces per ANSI A1264.2-2006 and OSHA 1910.22.

### Adhesive Type:

Permanent rubber based adhesive

### Substrate Type:

Polyester

### Standard Material Colors:

Yellow, Red, Green, White, Blue, Black, Orange

**Thickness (PSTC-33):**

0.008 in. (0.20 mm)

**Adhesive Properties:**

Adhesion to Stainless Steel (PSTC-101)

15 Minute Dwell (Avg.) – 155 oz/in (169 N/100 mm)

Ultimate Dwell (72 hrs.) (Avg.) – 158 oz/in (172 N/100 mm)

Tack (ASTM D2979) (Avg.) = greater than 1000 g

**Abrasion Resistance (Method 5306 of U.S. Federal Test Method Std. No. 191A):**

H-22 Stone Wheels, 1000g wts.

Material withstands over 9000 cycles

S-35 Tungsten Carbide Wheels, 1000g wts.

Material withstands up to 1000 cycles

**Gloss (60° Gardner):**

115 Gardner Units

**Minimum Application Temperature:**

40°F (5°C)

**Service Temperature:**

0°F to 130°F (-18°C to 54°C)

**Average Outdoor Durability:**

Not recommended for outdoor use.

**Chemical Resistance:**

| Reagent | 1 cycle = 10 min in chemical, 30 min out |         |         |         |         | 7 day Immersion |
|---------|------------------------------------------|---------|---------|---------|---------|-----------------|
|         | Cycle 1                                  | Cycle 2 | Cycle 3 | Cycle 4 | Cycle 5 |                 |

|                        |    |    |    |    |    |    |
|------------------------|----|----|----|----|----|----|
| 30% Sulfuric Acid      | 1A | 1A | 1A | 1A | 1A | 1A |
| 10% Sulfuric Acid      | 1A | 1A | 1A | 1A | 1A | 1A |
| 30% Hydrochloric Acid  | 1A | 1A | 1A | 1A | 1A | 2A |
| 10% Hydrochloric Acid  | 1A | 1A | 1A | 1A | 1A | 1A |
| Glacial Acetic Acid    | 1A | 1A | 1A | 1A | 1A | 5E |
| 10% Acetic Acid        | 1A | 1A | 1A | 1A | 1A | 1A |
| 50% Sodium Hydroxide   | 1A | 1A | 1A | 1A | 1A | 5E |
| 10% Ammonia            | 1A | 1A | 1A | 2A | 2A | 5E |
| 5% Sodium Hypochlorite | 1A | 1A | 1A | 1A | 1A | 1A |
| 10% Sodium Chloride    | 1A | 1A | 1A | 1A | 1A | 1A |
| MEK                    | 1B | 1B | 1B | 1B | 1B | 5E |
| Acetone                | 1A | 1A | 1A | 1A | 1A | 5E |
| Toluene                | 1A | 1A | 1A | 1A | 1A | 5E |
| Methanol               | 1A | 1A | 1A | 1A | 1A | 1E |
| Isopropyl Alcohol      | 1A | 1A | 1A | 1A | 1A | 1C |
| Heptane                | 1B | 1B | 1B | 1B | 1B | 1E |
| Mineral Spirits        | 1B | 1B | 1B | 1B | 1B | 1E |
| Turpentine             | 1A | 1A | 1A | 1A | 1A | 1D |
| Diesel Fuel            | 1A | 1A | 1A | 1A | 1A | 1D |
| Kerosene               | 1A | 1A | 1A | 1A | 1A | 1E |
| Gasoline               | 1A | 1A | 1A | 1A | 1A | 1E |
| ASTM # 3 Oil           | 1A | 1A | 1A | 1A | 1A | 1B |
| SAE 20 Oil             | 1A | 1A | 1A | 1A | 1A | 1B |
| Alconox® Detergent     | 1A | 1A | 1A | 1A | 1A | 1A |
| Deionized Water        | 1A | 1A | 1A | 1A | 1A | 1A |

#### PRINT / TOP COAT EFFECT

1. No visible effect
2. Slight fade, smear, or bleed
3. Moderate fade, smear, or bleed
4. Severe fade, smear, or bleed

#### ADHESIVE EFFECT

- A. No visible effect
- B. Slight adhesive ooze
- C. Moderate adhesive ooze
- D. Severe adhesive ooze

5. Print completely removed by immersions

E. Tape destroyed

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°F (27°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:**

ANSI: American National Standards Institute (U.S.A.)

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

Alconox® is a registered trademark of Alconox Co.

All S.I. Units (metric) are mathematically derived from the U.S. Conventional Units

Fed. Spec.: United States Federal Specification (U.S.A.)

OSHA: Occupational Safety & Health Administration

PSTC: Pressure Sensitive Tape Council (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 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.

Copyright 2011 Brady Worldwide, Inc. | All Rights Reserved  
Material may not be reproduced or distributed in any form without written permission.