Technical Data Sheet

Brady B-514 Floor Marking Graphics

TDS No. B-514
Effective Date: 01/26/2018

Description:
Brady B-514 is a surface printed polyester with a rigid, clear polyester overlaminate

Details:





Use:
Brady B-514 is used to mark aisles, passageways, storage locations, point out safety equipment and exits, and enforce protective equipment requirements.

Adhesive Type:
Permanent rubber based adhesive

Substrate Type:
Polyester

Standard Material Colors:
Solid: Black, White, Red, Green, Blue, Yellow, Orange, Purple, Brown, Grey
Striped: Orange/Black, Yellow/Black, White/Black, Red/White, Red/Yellow, Green/White, Blue/Yellow
Checkered: Black/White, Red/White

Thickness:
0.008 in. (0.20 mm)

Adhesive Properties:
Adhesion to Stainless Steel (PSTC-101)
15 Minute Dwell (Avg.) – 155 oz/in (16.9 N/10 mm)
Ultimate Dwell (72 hrs.) (Avg.) – 158 oz/in (17.2 N/10 mm)
Tack (ASTM D2979) (Avg.) = greater than 1000 g

Abrasion Resistance (ASTM D4060):
S-35 Tungsten Carbide Wheels, 1000g wts.
Material withstands up to 1000 cycles

Gloss (20°):
109 units

Minimum Application Temperature:
50°F (10°C)

Service Temperature:
0°F to 140°F (-18°C to 60°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	
25% 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% Sodium Hydroxide	1A	1A	1A	4A	4A	5E
10% Ammonia	1A	1A	1A	1A	1A	1D
5% Sodium Hypochlorite	1A	1A	1A	1A	1A	1A
10% Sodium Chloride	1A	1A	1A	1A	1A	1A
Methyl Ethyl Ketone	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	1A
Isopropyl Alcohol	1A	1A	1A	1A	1A	1A
Heptane	1A	1A	1A	1A	1A	1E
Mineral Spirits	1A	1A	1A	1A	1A	1E
Turpentine	1A	1A	1A	1A	1A	1D
Diesel Fuel	1A	1A	1A	1A	1A	1D
Kerosene	1A	1A	1A	1B	1C	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	1A
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
5. Print completely removed by immersions

ADHESIVE EFFECT

A. No visible effect
B. Slight adhesive ooze
C. Moderate adhesive ooze
D. Severe adhesive ooze
E. Tape destroyed

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:
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
PSTC: Pressure Sensitive Tape Council (U.S.A.)
SAE: Society of Automotive Engineers

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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Brady North America | 6555 W. Good Hope Rd | Milwaukee, WI 53223 | USA | Tel: 414-358-6600 | Fax: 800-292-2289