

Brady B-514 Floor Marking Graphics

TDS No. B-514

Effective Date: 02/17/2021

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):

H-22 Harsh Calibrate Wheels, 1000g wts.

Material withstands up to 2000 cycles

Gloss (20°):

69 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	7 day Immersion Impact to Print	7 day Immersion Impact to Adhesive
25% Sulfuric AcidNENE		
10% Sulfuric AcidNENE		
30% Hydrochloric AcidNENE		
10% Hydrochloric AcidNENE		
Glacial Acetic AcidFF		
10% Acetic AcidNENE		
50% Sodium HydroxideFNE		
10% Sodium HydroxideFNE		
10% AmmoniaNEF		
5% Sodium HypochloriteNENE		
10% Sodium ChlorideNENE		
Methyl Ethyl KetoneFF		
Acetone F F		
Toluene NE F		
Methanol NE F		
Isopropyl AlcoholNEF		
Heptane NE F		
Mineral SpiritsNEF		
Turpentine NE F		
Diesel FuelNEF		
Kerosene NE F		
Gasoline NE F		
ASTM # 3 OilNENE		
SAE 20 OilNENE		
Alconox® DetergentNENE		
Deionized WaterNENE		

NE = No Effect

F = Failed (affected Sample)

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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