Technical Data Sheet

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 Calibrade 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 Acid	NE	NE
10% Sulfuric Acid	NE	NE
30% Hydrochloric Acid	NE	NE
10% Hydrochloric Acid	NE	NE
Glacial Acetic Acid	F	F
10% Acetic Acid	NE	NE
50% Sodium Hydroxide	F	NE
10% Sodium Hydroxide	F	NE
10% Ammonia	NE	F
5% Sodium Hypochlorite	NE	NE
10% Sodium Chloride	NE	NE
Methyl Ethyl Ketone	F	F
Acetone	F	F
Toluene	NE	F
Methanol	NE	F
Isopropyl Alcohol	NE	F
Heptane	NE	F
Mineral Spirits	NE	F
Turpentine	NE	F
Diesel Fuel	NE	F
Kerosene	NE	F
Gasoline	NE	F
ASTM # 3 Oil	NE	NE
SAE 20 Oil	NE	NE
Alconox® Detergent	NE	NE
Deionized Water	NE	NE

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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