Technical Data Sheet

BRADY B523 BRADYGLO™ HIGH INTENSITY SELF STICKING POLYESTER

TDS No. B523
Effective Date: 4/10/2026

Description:
Brady B523 BradyGlo™ High Intensity laminate is a glow-in-the-dark (photoluminescent) polyester film coated with an aggressive pressure sensitive adhesive.

Use:
Brady B523 BradyGlo™ High Intensity material is designed to provide high adhesion and luminance for egress marking in low light areas of public buildings as required by the City of New York.

Relevant Standards:
Complies with all indoor use requirements specified in RS 61 and 61A of New York Local Law 26 including photoluminescence, washability, flammability, toxic gas generation, and radioactivity.

Approved Model Numbers accepted for use, City of New York, Department of Buildings: MEA No. 218-05-M Vol. 3 BR: 41-9-6 UV

Inherent Properties:
Brady B523 is a nontoxic, nonradioactive, explosion safe (does not generate energy to induce explosions) material allowing for safe and effective egress marking.

Luminescent Characteristics:
Charge time of 5 minutes with Xenon Lamp at 1000 lux:
Typical values: 146 mcd/m2 after 10 min, 23 mcd/m2 after 60 min

Adhesive Type:
Pressure Sensitive Rubber

Substrate Type:
Phosphorescent Polyester Film

Standard Legend Colors:
Black, green, red and blue

Thickness (PSTC-133):
0.010 inches (0.26 mm)

Adhesive Properties:
Adhesion to Stainless Steel (PSTC101)
15 Minute Dwell (Avg.) 140 oz/in
Ultimate Dwell (72hrs) (Avg.) 140 oz/in

Abrasion Resistance (ASTM D 4060):
CS10 Wheels, 250g wts.
Legend withstands up to 100 cycles

Gloss (60°):
107 Gloss Units

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

Service Temperature:
-40°F to 122°F (-40°C to 50°C)

Outdoor Applications:
Not recommended for outdoor application.

Chemical Resistance:

	7 Day Immersion	
Reagent	**Impact to Adhesive**	**Impact to Print**
30% Sulfuric Acid	Significant Visible Effect	No Visible Effect
30% Hydrochloric Acid	Significant Visible Effect	Significant Visible Effect
50% Sodium Hydroxide	No Visible Effect	Significant Visible Effect
10% Ammonia	No Visible Effect	Some Visible Effect
5% Sodium Hypochlorite	Some Visible Effect	Some Visible Effect
MEK	Complete Failure	Complete Failure
Acetone	Complete Failure	Complete Failure
Isopropyl Alcohol	Complete Failure	Complete Failure
Mineral Spirits	Complete Failure	Significant Visible Effect
Gasoline/TruFuel	Complete Failure	Complete Failure
SAE 20 Oil	No Visible Effect	No Visible Effect
5% Alconox	No Visible Effect	No Visible Effect

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
TruFuel® is specifically 4-cycle engineered fuel

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.

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