

BRADY B-7524 HIGH INTENSITY RIGID PHOTOLUMINESCENT SIGNS

TDS No. B-7524
Effective Date: 09/27/2011

Description:

Brady B-7524 is a rigid photoluminescent aluminium sign. (High light-intensity quality)
Signs are still visible in case of power failure.

Brady B-7524 is used for exit and directional signs, identification of fire alarms and extinguishers, and directional systems for escape or evacuation routes.

Brady B-7524 is available in red and green.

Details:

SPECIAL PROPERTIES

Exceeds the requirements of the DIN 67510 T4 by 500%. This norm fixes the minimum requirements to be fulfilled by photoluminescent signs.

	LUMINANCE AFTER 10 MINUTES	LUMINANCE AFTER 1 HOUR	DECAY TIME UP TO 0.3 mcd/m²
DIN 67510	20 mcd/m ²	2.8 mcd/m ²	340 minutes
B-7524	150 mcd/m ²	22.5 mcd/m ²	2100 minutes

PHYSICAL PROPERTIES	TEST METHOD	AVERAGE RESULTS
Thickness	PSTC-33	0.023 inch (0.6 mm)
Abrasion Resistance	Method 5306 US Fed. Test Method (CS 10 + 250g)	500 cycles

PERFORMANCE PROPERTIES	TEST METHOD	OBSERVATION OF VISUAL CHANGE
Service Temperature	Minimum temperature Maximum temperature (1 hour)	- 40°F (- 40°C) 230°F (110°C)
Humidity Resistance	30 days in humidity chamber temperature = 100°F (38°C) humidity = 95%	No visible effect
U.V. Resistance	30 days in U.V. lightchamber	Yellowing
Weatherability	ASTM G 53 (30 days Q.U.V.)	Safety color fading Photoluminescent still more than 80% after 15 days

PERFORMANCE PROPERTY	CHEMICAL RESISTANCE
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Testing consisted of five cycles of 10 minutes immersion in the specified chemical reagent followed by 30 minute recovery periods. Cotton swab rub after final immersion.

CHEMICAL REAGENT	SUBJECTIVE OBSERVATION OF VISUAL CHANGE	
	Label Stock	Safety Colors (after rubbing)
Isopropanol	N.V.E.	N.V.E.
1,1,1 Trichloroethane	N.V.E.	N.V.E.
Acetone	Topcoat dissolved	Topcoat dissolved
Toluene	N.V.E.	Very slightly faded
Soft Soap	N.V.E.	N.V.E.
Alcohol Mixture*	N.V.E.	N.V.E.

Skydrol® 500 B 4	N.V.E.	Slightly faded
Sulphuric Acid (5%)	N.V.E.	N.V.E.
Sodium Hydroxide (5%)	N.V.E.	N.V.E.
Sodium Chloride (5%)	N.V.E.	N.V.E.
Unleaded Gasoline	N.V.E.	N.V.E.
White Spirit	N.V.E.	N.V.E.
Water	N.V.E.	N.V.E.

* 50% Ethyl Alcohol, 30% Methyl Alcohol, 20% Distilled Water

N.V.E.: No Visible Effect

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:

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

DIN: Deutsche Industry Norm

PSTC: Pressure Sensitive Tape Council (U.S.A.)

Skydrol® is a registered trademark of the Monsanto Company

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.

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