

BRADY B-7532 PREPRINTED POLYESTER FOR APPLICATION ON WET SURFACES (OUTDOOR)

TDS No. B-7532
Effective Date: 17-05-21

Description:

GENERAL

Brady B-7532 is a surface printed white polyester film with a permanent, acrylic based, pressure sensitive adhesive and over-laminated with a UV Light blocking clear polyester film.

APPLICATIONS

B-7532 is used for pipe markers and safety signs.

B-7532 gives excellent adhesion to metal surfaces that are wet, for example due to condens.

It is recommended to make the surface dirt free before application.

REGULATORY/AGENCY APPROVALS

For information on the Weee-RoHS compliance status for a Brady Product go to one of the following websites:

In Canada: www.bradycanada.ca/weee-rohs

In Europe: www.bradyeurope.com/rohs

In Japan: www.brady.co.jp/products/labelsuse/rohs

All other regions: www.bradyid.com/weee-rohs

SPECIAL FEATURES

Details:

PERFORMANCE PROPERTIES	TEST METHOD	TYPICAL RESULTS
Thickness	ASTM D 1000 - Total (excluding liner)	0,126 mm (0,0050 inch)
Adhesion to: -Stainless steel	ASTM D 1000 20 minute dwell 24 hour dwell	17 N/100 mm (15 oz/inch) 24 N/100 mm (22 oz/inch)

PERFORMANCE PROPERTY

Printed samples are laminated to aluminium panels and allowed to dwell 24 hours before exposure to the indicated environments.

PERFORMANCE PROPERTIES	TEST METHODS	TYPICAL RESULTS
High service temperature	Short term (1h) at 140°C (285°F)	No visible effect
	Mid term (15 days) at 120°C (248°F)	Severe yellowing (white), still functional
	Long term (30 days) at 100°C (212°F)	Very slight yellowing (white)
Low service temperature	30 days at -40°C (-40°F)	No visible effect
Minimum application temperature		-25°C (-13°F)
Humidity resistance	30 days humidity chamber at 37°C (99°F) and 95% R.H.	No visible effect

Average Outdoor Durability:

Outdoor performance expectations for B-7532 are based on UV resistance testing in the Q-Sun Xenon Test Chamber Model Xe-3 (Daylight Filter, Irradiance 0.35 W/m², Wavelength 340nm, Continuous light at 63°C black panel temperature) and on weatherability testing in the QUV Accelerated Weathering Tester Model QUV/se, according to ASTM G154, Cycle 1. The test results suggest that B-7532 may be used successfully in outdoor environments for a period of up to 10 years. Actual outdoor life of the product will depend on user definition of failure, climatic conditions, mounting techniques and material color. See note and warranty statement below for additional information

PERFORMANCE PROPERTY	CHEMICAL RESISTANCE
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Finished products are laminated to aluminium or stainless steel panels and allowed to dwell 24 hours prior to testing. Test conducted at room temperature. Testing consists of five cycles of 10 min immersions in the specified test fluid, followed by 30 min recovery periods. After final immersion, samples rubbed 10 times with cotton swab saturated with test fluid.

CHEMICAL REAGENT	SUBJECTIVE OBSERVATION OF VISUAL CHANGE	
	LABEL STOCK SUBSTRATE / ADHESIVE	PRINTING AFTER IMMERSION AND COTTON SWAB RUBS
Isopropanol	No visible effect	No visible effect
Aceton	Slight edge lifting	No visible effect
Methyl ethyl ketone	Edge lifting	Moderate print removal
Extran® MA02 cleaning agent 10%	No visible effect	No visible effect
NaOH 10%	No visible effect	No visible effect
Sulfuric acid 10%	No visible effect	No visible effect

Shelf Life:

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:

Extran® is a registered trademark of Merck Kgaa.
ASTM: American Society for Testing and Materials (U.S.A.)

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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