

BRADY B-7549 SURFACE PRINTED REMOVABLE VINYL WITHOUT OVERLAMINATE

TDS No B-7549

Effective Date: 14/12/2020

Description:
GENERAL

Brady B-7549 is a matte surface printed white vinyl with a removable pressure sensitive adhesive without overlamine.

SPECIAL FEATURES

B-7549 is a removable and repositionable vinyl that can be applied and easily removed thanks to the dotted adhesive. B-7549 gives excellent adhesion to glass and smooth surfaces, including flat smooth floor surfaces and is suitable for short-term indoor applications. It is recommended for light foot traffic areas and not suitable for use on carpets. Dust, dirt and oxidation can change the adhesion of the product.

REGULATORY 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
Details:

PHYSICAL PROPERTIES	TEST METHODS	AVERAGE RESULTS
Thickness	ASTM D 1000 Total	0,160 mm
Adhesion to:	ASTM D 1000	
-Stainless Steel	20 minute dwell 24 hour dwell	4,7 N/100 mm 10,2 N/100 mm
-Glass	20 minute dwell 24 hour dwell	3,9 N/100 mm 6,2 N/100 mm
-Aluminium	20 minute dwell 24 hour dwell	3,1 N/100 mm 5,3 N/100 mm
-Polypropylene	20 minute dwell 24 hour dwell	3,8 N/100 mm 4,6 N/100 mm
Looptack	ASTM D 6195 Method B Stainless Steel	0,73 N
	Finat FTM-9 Glass	1,43 N

Performance properties tested on digitally printed B-7549 material. Printed samples were laminated to aluminium and allowed to dwell 24 hours before exposure to the indicated environments.

PERFORMANCE PROPERTIES	TEST METHOD	TYPICAL RESULTS
High service temperature	30 days at 70°C (158°F)	No visible effect
Low service temperature	30 days at -40°C (-40°F)	No visible effect
Minimum application temperature		+10°C (50 °F)
Abrasion resistance	Taber Abraser, CS-10 grinding wheels 250g/arm,100 cycles	Slight fading but print still legible
Humidity resistance	30 days at 37°C (100°F) and 95% R.H.	No visible effect
UV Light Resistance	30 days in Q-Sun Xenon Test Chamber Model Xe-3	No visible effect
Weatherability	ASTM G154, Cycle 1 30 days in QUV Accelerated Weathering Tester Model QUV/se	No visible effect

* B-7549 removes cleanly from adhesion test surfaces and after performance properties testing.

PERFORMANCE PROPERTY	CHEMICAL RESISTANCE
Digitally printed samples are laminated to aluminium panels and allowed to dwell 24 hours prior to testing. Tests conducted at room temperature. Testing consisted of 5 cycles of 10 minute immersions in the specified test fluid, followed by 30 minute recovery periods. After final immersion, samples rubbed 10 times with cotton swab saturated with test fluid.	

CHEMICAL REAGENT	SUBJECTIVE OBSERVATION OF VISUAL CHANGE	
	EFFECT TO LABEL STOCK EFFECT TO PRINT	EFFECT TO PRINT WITH RUB
Isopropylalcohol	Label comes off after 3rd immersion	nve
Acetone	Label deforms and comes off after 1st immersion	printing comes off
Alcohol mixture	nve	nve
Diesel B7	nve	nve
Castrol TWS Motorsport 10W60	nve	nve
DOT4 Brake fluid	nve	nve
Distilled water	nve	nve

*Alcohol mixture is a mixture of 50% ethanol, 30% methanol and 20% distilled water
nve = 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:

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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