

B-335 CLEAR POLYESTER INVISIBLE HOLOGRAPHIC DRY PEEL TAMPER LABEL

TDS No. B-335
Effective Date: 03/06/2019

Description:

GENERAL:

Print Technology: Thermal Transfer and Pre-printed

Material Type: Clear polyester

Finish: Gloss

Adhesive: Tamper Indicating Permanent Acrylic

APPLICATIONS:

Customized rating plates, tamper seals or package closures that require evidence of label removal.

RECOMMENDED RIBBONS:

Brady Series R6000 Halogen Free

Brady Series R4900 (alternate)

Brady Series R6200 (alternate)

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.bradycanada.ca/products/labelsuse/rohs

All other regions: www.bradycanada.ca/weee-rohs

SPECIAL FEATURES:

B-335 is super clear so it does not interfere with the application surface graphics. This is an ideal product where a tamper-evident label needs to be applied to a difficult surface that normal tamper-evident labels do not work on due to their aggressive nature. A typical substrate being cardboard boxes of all types of finishes.

B-335 is designed to leave a dry (no sticky residue) footprint pattern when the label is removed. When the product is tampered with, the layers split showing a hologram and VOID pattern. In addition, the surface label cannot be stuck back down or re-used.

A 30 minute dwell period is recommended before removal for full tamper-evident performance. The adhesive nature of this product does not allow for repositioning and requires minimal handling in order to prevent prematurely exposed footprint pattern.

Customized tamper patterns (ex. logos, special warnings, instructions, etc) are available. Contact Brady for design restrictions and minimum order requirements.

Details:

Property	Test Method	Average Results
Thickness	ASTM D1000 - Substrate - Adhesive - Total (excluding liner)	0.0014 inch (36.0 µm) 0.0010 inch (25.4 µm) 0.0024 inch (61.4 µm)
Service Temperature	Expected Temperature Range	-40°F to 302°F (-40°C to 150°C)

Application Temperature	Expected Temperature Range	Minimum 35.6°F (2°C)
Release from liner, g/in	ASTM D1000	0.35 oz/in (10.0 g/in)
Tack, g	ASTM2979 Polyken™ Probe Tack 1 second dwell	53 oz (1500g)
Shear Adhesion Failure Temperature (SAFT), °C	ASTM D4498-95 -with modification using test area of 22mm x 25mm & 1Kg weight	117°C
Adhesion to:	ASTM D1000 (@ 72°F (22°C))	
-Stainless Steel	30 minute dwell 24 hr dwell	3.1 oz/in (3.4 N/100mm) 2.0 oz/in (2.2 N/100mm)
-Acrylic	30 minute dwell 24 hr dwell	0.83 oz/in (0.91 N/100mm) 1.6 oz/in (1.7 N/100mm)
-Aluminum	30 minute dwell 24 hr dwell	2.5 oz/in (2.8 N/100mm) 2.5 oz/in (2.8 N/100mm)
-Glass	30 minute dwell 24 hr dwell	0.72 oz/in (0.78 N/100mm) 1.7 oz/in (1.9 N/100mm)
-Smooth ABS	30 minute dwell 24 hr dwell	2.4 oz/in (2.6 N/100mm) 1.9 oz/in (2.1 N/100mm)
-Textured ABS	30 minute dwell 24 hr dwell	8.3 oz/in (9.1 N/100mm) 10.1 oz/in (11.1 N/100mm)
-Polypropylene	30 minute dwell 24 hr dwell	0.71 oz/in (0.78 N/100mm) 1.7 oz/in (1.9 N/100mm)
-Painted Enamel	30 minute dwell 24 hr dwell	2.4 oz/in (2.7 N/100mm) 1.7 oz/in (1.9 N/100mm)
-Powder Coated Metal	30 minute dwell 24 hr dwell	6.0 oz/in (6.5 N/100mm) 5.7 oz/in (6.2 N/100mm)
-Uncoated Corrugated Cardboard	30 minute dwell 24 hr dwell	6.7 oz/in (7.3 N/100mm) 5.1 oz/in (5.6 N/100mm)
-Coated Corrugated Cardboard	30 minute dwell 24 hr dwell	5.0 oz/in (5.4 N/100mm) 3.5 oz/in (3.8 N/100mm)
-Uncoated/Printed fiberboard	30 minute dwell 24 hr dwell	4.8 oz/in (5.3 N/100mm) 2.0 oz/in (2.2 N/100mm)

SUBJECTIVE OBSERVATION OF ADHESIVE PERFORMANCE (PERCENTAGE OF FOOTPRINT PATTERN TRANSFERRED TO SURFACE) Dwell Time: 24 hours @ 72°F (22°C)		
SURFACE TYPE	SURFACE FOOTPRINT	FACESTOCK FOOTPRINT
Stainless Steel	100%	100%
Acrylic	100%	100%
Aluminum	100%	100%
Glass	100%	100%
Smooth ABS	100%	100%
Textured ABS	60%, slight tack	60%
Polypropylene	100%	100%
Painted Enamel	100%	100%
Powder Coated Metal	100%	100%
Uncoated Corrugated Cardboard	100%	100%
Coated Corrugated Cardboard	100%	100%
Uncoated/Printed fiberboard	100%	100%

*non-tacky footprint left on surface, unless noted

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 applications.

Trademarks:

ASTM: American Society for Testing and Materials (U.S.A.)
Polyken™ is a trademark of Testing Machines Inc.

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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