

Z-Essentials 1500D

Direct thermal top-coated paper label with a permanent acrylic adhesive

Z-Essentials paper barcode labels are designed for mass-market applications and offer exceptional value. Purposefully designed for a wide range of high-volume short-term applications, they are the smarter supply choice. Z-Essentials 1500D is a direct thermal top-coated paper. Includes a permanent acrylic adhesive with good adhesion on a variety of surfaces. This label is ideal for shipping, product identification, retail pricing, work-in-process labeling, and other short-life high-volume applications. The service temperature range of the Z-Essentials 1500D is from -40°F to 130°F (-40°C to 54°C), with a minimum application temperature of 40°F (4°C). This means that the label can be used in a variety of environments, from cold storage units to warm shipping containers. The Z-Essentials 1500D is compliant with the FDA 175.105 code for indirect food contact, making it a suitable choice for application to shrink wrap and other food packaging.



Print Confident. Print Quality. Print Zebra.

Printing supplies can impact everything from printhead lifespan to operational efficiency. That's why we design, produce and rigorously pre-test our own line of thermal printing supplies to ensure consistent, optimized performance. We utilize an ISO 9001 certified, 23-point inspection process and consistent materials to ensure reliable performance from order-to-order. No matter when you order your labels, you can count on the same consistent performance.

Specially coated for trouble-free print

Z-Essentials 1500D labels feature a protective topcoat on the facestock that provides additional durability for the printed image and some resistance to additional environmental factors. This means that the labels can better withstand a variety of environments and will remain scannable for a longer period compared to uncoated labels. The labels also provide good print quality and sharper image definition.

Customization Available

Zebra can deliver Z-Essentials 1500D labels in just about any size, shape or label set configuration to meet the requirements of your application and process. In addition, our flexographic print presses can add pre-printed text, graphics and color.

Z-Essentials 1500D — Direct thermal top-coated paper with a permanent acrylic adhesive with good adhesion on a variety of surfaces.

Specifications

Material Construction

RM Number	10040740RM
Facestock	White Direct Thermal Coated Paper; 3.1 mils
Adhesive	Permanent Acrylic Adhesive; 0.8 mils
Liner	40 lb. semi-bleached kraft stock; 2.2 mils
Total thickness +/- 10%	6.1 mil ± 10
Environment	Indoor use

Temperature Performance

Minimum Application Temperature ¹	40°F/4°C
Service Temperature Range ²	-40°F to 130°F/-40°C to 54°C

Recommended Printers and Settings

Printers	Direct thermal printers; use Zebra industrial, desktop or mobile printers for optimal performance
Ribbons	N/A

Adhesive Strength

Corrugate	5 min: 14 oz./in.; 24 hr: 18 oz./in.
Steel	5 min: 59 oz./in.; Facestock tore
Polycarbonate	5 min: 47 oz./in.; Facestock tore
Polyethylene	5 min: 11 oz./in.; 24 hr: 16 oz./in.

Chemical Resistance

Weak Chemicals	
Blood	Test in your application
Body Fluid	Test in your application
Salt Water	Test in your application
Water	Test in your application
Window Cleaner	Not Recommended
Moderate Chemicals	
Alcohol	Not Recommended
Ammonia	Not Recommended
Bleach	Not Recommended
IPA	Not Recommended
Harsh Chemicals	
Gasoline	Not Recommended
Grease	Not Recommended
Oil	Not Recommended
Extreme Chemicals	
Acetone	Not Recommended
IR Reflow	Not Recommended
MEK	Not Recommended
TCE	Not Recommended
Xylene	Not Recommended

Regulatory and Compliance

FDA 175.105 for indirect contact with dry foodstuffs, or alternatively separated by a functional barrier.
BPA and latex free

Product Performance and Suitability

Recommended storage conditions	72°F / 22°C at 50% RH
Expected life span in application ³	Indoor use, for 1 year +
Sample Part Number	SAM10040740

Footnotes

1. When the label is applied, the environment and surface should be above this temperature.
2. Following correct application and appropriate dwell time (usually 24 hrs) the media will withstand this temperature range.
3. Following correct application and appropriate dwell time (usually 24 hrs) we expect, but do not warrant, a life span as indicated.

Markets and Applications

Logistics

- Shipping
- Cross docking

Retail

- Shipping
- Price label
- Shelf label

Warehousing

- Shipping
- Picking
- Receiving

Manufacturing

- Shipping
- Work-in-process
- Product Identification

Transportation

- Shipping

Footnotes

* Specifications are subject to change without notice.



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