

## 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.**

For more information, please visit [www.zebra.com/supplies](http://www.zebra.com/supplies)

# Specifications

## Markets and Applications

### 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 <sup>1</sup> | 40°F/4°C                     |
| Service Temperature Range <sup>2</sup>       | -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 <sup>3</sup> | 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.

### 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.



**NA and Corporate Headquarters**  
+1 800 423 0442  
[inquiry4@zebra.com](mailto:inquiry4@zebra.com)

**Asia-Pacific Headquarters**  
+65 6858 0722  
[contact.apac@zebra.com](mailto:contact.apac@zebra.com)

**EMEA Headquarters**  
[zebra.com/locations](https://zebra.com/locations)  
[contact.emea@zebra.com](mailto:contact.emea@zebra.com)

**Latin America Headquarters**  
[zebra.com/locations](https://zebra.com/locations)  
[la.contactme@zebra.com](mailto:la.contactme@zebra.com)