

# Z-Essentials 500D

Direct thermal uncoated 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 500D is a direct thermal paper label with permanent acrylic adhesive. It features an uncoated facestock, which makes it a cost-effective choice for businesses. This cost-effective option is particularly suitable for applications that have a short shelf life or those used within controlled environments. This label is ideal for shipping, product identification, work-in-process labelling and other short-life high-volume applications.



## 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, optimised performance. We utilise 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.

## Features

Zebra Z-Essentials 500D delivers high-resolution prints with sharp text, graphics and barcodes, ensuring optimal scanning accuracy. Compatible with a wide range of Zebra direct thermal printers, these labels are easy to use. Z-Essentials labels offer cost-effective labelling solutions without compromising on performance or quality, making them a preferred choice for businesses seeking reliable labelling solutions.

## Customisation Available

Zebra can deliver Z-Essentials 500D 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 preprinted text, graphics and colour.

**Z-Essentials 500D — Uncoated paper with permanent acrylic adhesive.**

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

# Specifications

## Material Construction

RM Number	10026927RM
Facestock	Matte White Uncoated Direct Thermal Paper; 70 microns
Adhesive	Permanent Acrylic Adhesive; 13 microns
Liner	60gsm white glassine; 55 microns
Total thickness +/- 10%	138 microns
Environment	Indoor ambient temperatures

## Temperature Performance

Minimum Application Temperature <sup>1</sup>	0°C
Service Temperature Range <sup>2</sup>	0°C to 40°C

## Recommended Printers and Settings

Printers	Any Zebra thermal printer
Ribbons	NA: This is a direct thermal label

## Adhesive Strength

Corrugate	5 min: 2N/25mm; 24 hr: 5N/25mm
Steel	5 min: 12N/25mm; 24hr: FT
Polycarbonate	5 min: 16N/25mm; 24 hr: 17N/25mm
Polyethylene	5 min: 3N/25mm; 24 hr: 5N/25mm

## Regulatory and Compliance

BPA free
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## Product Performance and Suitability

Recommended storage conditions	6 months when stored under 20°C at 40% to 50% RH
Expected life span in application <sup>3</sup>	Indoor use, for up to 1 year
Sample Part Number	SAMPLE26927D

## 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. * Specifications are subject to change without notice.
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# Markets and Applications

## Logistics

- Shipping
- Cross-docking

## Retail

- Shipping

## Warehousing

- Shipping
- Picking
- Receiving

## Manufacturing

- Shipping
- Work-in-process
- Product identification

## Transportation

- Shipping