

# ZeroLiner 4500D

## ZeroLiner direct thermal labels

Our Premium phenol-free direct thermal label with a permanent adhesive and a gloss finish designed for high volume and challenging print environments. The ZeroLiner 4500D is our ultimate solution in the linerless printing product range.



### ZeroLiner Benefits

There is a unique combination of benefits where the absence of a liner allows for more labels per roll and no waste having both environmental and safety implications in applications. There is an immediate waste reduction via reduced roll volume which takes less space, less manpower and a huge saving on liner take up equipment as this is no longer required. There would also be an increase in productivity as fewer roll changes would be needed in the printer or on press.

The manufacturing journey of ZeroLiner label is significantly shorter than that of lined labels, resulting in overall CO2 savings through less transport and manufacturing. As label liner is difficult to recycle, the waste usually ends up in landfill, being burnt for fuel or being stored in large volumes before being collected for recycling, which can lead to cluttered work areas and sometimes accidents. With ZeroLiner the above does not apply. Once you have applied your labels you're finished.

### Simplified Printing - No Ribbon Required

The ZeroLiner 4500D is compatible with Zebra direct thermal, desktop printers, providing all the benefits of direct thermal printing -there's no ribbon to stock, monitor and replenish.

### ZeroLiner Printers

Zebra's Linerless capable printers feature specially designed platen rollers and cutters. Zebra's ZeroLiner labels are created to give the best performance by printer type.

- **Desktop printers** use linerless label rolls that feature a "clean-cut" adhesive, optimized for use with a cutter.
- **Mobile printers** need to release easily from the roll, to enable consistent feed so as not to stress the motor in the printer AND needs to release easily from the platen while adhering well in the application.

All Zebra ZeroLiner label rolls are pre-tested to ensure best performance.

**ZeroLiner 4500D — The ultimate solution in the linerless printing product range.**  
For more information, please visit [www.zebra.com/supplies](http://www.zebra.com/supplies)

# Specifications

Material Construction	
Facestock	Smooth white silicone topcoated paper; -8mils
Adhesive	Permanent rubber adhesive
Liner	N/A
Total thickness +/-10%	96mils
Environment	Indoor use
Temperature Performance	
Minimum Application Temperature <sup>1</sup>	41 °F/5°C
Service Temperature Range <sup>2</sup>	14 °F to 212 °F/-10 °C to 100 °C
Recommended Printers and Settings	
Printers	Direct Thermal Printer; Zebra Desktop and Mobile Printers
Ribbons	N/A
Regulatory and Compliance	
REACH, RoHS, and BPA and BPS Free	
Product Performance and Sustainability	
Recommended Storage Conditions <sup>3</sup>	1 yr duration when stored at 20 °C to 25 °C at 50% RH Relative humidity must be less than 85% Rolls must be stored indoors and away from direct sunlight Rolls must be kept in their original packaging
Expected Life Span in Application <sup>4</sup>	Indoor use, 1 to 2 yrs
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 24hrs) the media will withstand this temperature range.  
3. Storage of product before use.  
4. Following correct application and appropriate dwell time (usually 24hrs) we expect, but do not warrant, a life span as indicated.

## Markets and Applications

### Manufacturing

- Work in progress labeling

### Logistics

- Transport and Logistics

### Government

- Postal applications

### Other

- Applications that do not allow the use of a liner



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