

ZeroLiner 4500D

ZeroLiner direct thermal paper linerless labels

Our phenol-free direct thermal label with a permanent adhesive and a gloss finish designed for high volume and challenging print environments. The ZeroLiner 4500D, paper linerless is our premium 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 printers, providing all the benefits of direct thermal printing -there's no ribbon to stock, monitor and replenish—with the added benefit of having no liner to dispose of.

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.

- **Industrial printers** require media that is suited to high volume printing and cutting. Typically used in demanding environments where speed and consistency are essential and down-time must be avoided.
- **Desktop printers** require a fuss free media solution that can perform well with minimal wear and tear on cutters and platen rollers.
- **Mobile printers** need media which feeds smoothly without adding stress to the motor, limits adhesive contamination and adheres well in intended application.

All Zebra ZeroLiner linerless medias are thoroughly tested and approved by Zebra to give customers the optimum performance in the designated Zebra printers.

ZeroLiner 4500D—The premium solution in the linerless printing product range.
For more information, please visit www.zebra.com/supplies

Specifications

Material Construction

Facestock	Smooth white silicone topcoated paper; 78 micron, 3 mil
Adhesive	Permanent acrylic adhesive
Liner	N/A
Total thickness +/-10%	96 micron, 3.8 mil
Environment	Indoor use

Temperature Performance

Minimum Application Temperature ¹	41 °F/5°C
Service Temperature Range ²	14 °F to 212 °F/-10 °C to 100 °C

Recommended Printers and Settings

Printers	Zebra Linerless Printers
Ribbons	N/A

Regulatory and Compliance

REACH, RoHS, and Phenol Free

Product Performance and Sustainability

Recommended Storage Conditions ³	1 yr duration when stored at 20 °C to 25 °C at 40-50% RH Storage at higher temperatures or humidity levels could affect product performance Rolls must be stored indoors and away from direct sunlight Rolls must be kept in their original packaging
Expected Life Span in Application ⁴	Indoor use, up to 1 year

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

- Shipping labels
- Warehouse and inventory management

Government

- Postal applications

Other

- Applications that do not allow the use of a liner



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