

2100 High-Performance Wax

Ribbon	Ribbon Type		Compatible Material	Print Speed	Temperature Resistance	Smear/Scratch Resistance	Chemical Resistance
2300	Wax	Standard	Uncoated/Coated Paper				
2100	Wax	High-Performance	Uncoated/Coated Paper				
3400	Wax/Resin	High-Performance	Uncoated/Coated Paper Matte Synthetics				
3200	Wax/Resin	Premium	Uncoated/Coated Paper Matte Synthetics				
4800	Resin	Performance	Matte/Gloss Synthetics				
5095	Resin	High-Performance	Matte/Gloss Synthetics				
5100	Resin	Premium	Matte/Gloss Synthetics				
Image Lock™	Resin	Specialist	Z-Xtreme™ 5000T				

Additional Features

- Low printhead energy requirements for image transfer means it can print at extremely fast speeds of up to 304.8mm/sec (12ips) and 203mm/sec (8ips)
- Suitable for printing on uncoated and coated paper labels and tags, and additionally on many matte synthetics
- Offers good smear and scratch resistance when compared to other wax ribbons
- Excellent print quality when printing normal or rotated barcodes

Suggested Applications

- General purpose labelling
- Shipping and receiving including high temperature countries
- Inventory tracking
- Warehousing and distribution
- Retail labels and tags
- High speed print and apply applications with Zebra topcoated paper labels

Technical Specifications

	Description
Colour	Black
Base Film	Polyester
Base Film Caliper	4.5 microns
Total Caliper	8 microns
Scanning Capabilities	IR and Visible Light

Ribbon Compliance

Compliance	2100
REACH/ Substances of Very High Concern (SVHC)	✓
RoHS	✓
Dodd-Frank Act (Conflict Minerals)	✓
Toxic Substances Control Act of 1976	
Carcinogenic, Mutagenic and Reprotoxic, or Substances Toxic Substances 1976/769/ EC	
California Proposition 65	✓
FDA 21 CFR Part 175.300 – Indirect Food Contact – Resinous and Polymeric Coatings	✓
European Food Directive 1935/2004/EC	✓
Foodstuffs and Consumer Goods Act and LFGB approved	✓
Halogen free	✓
Latex free	✓
Animal derivatives free	✓
BP Free	✓

Stocked Sizes Available for the following Zebra Printers:

Mid-range and high-performance thermal printers, Zebra engines, other legacy Zebra printers
(Other widths/lengths are available on request subject to minimum order quantities and lead times)

Recommended Storage Conditions:

1 year duration when stored at 5°C to 35°C at 20% to 80% RH



2100 Barcode Scannability

The below scannability testing was performed on Z4M, 140XiIII, 90XiIII, 105SL and Stripe 600 printers.

Label Facestock	Print Speed	Barcode	Lab Results
Coated paper labels and tags	Up to 304.8mm/sec	10 or 12 mil normal code	Typical ANSI Grade A
Matte Synthetics	Up to 254mm/sec	10 or 12 mil normal code	Typical ANSI Grade A
Uncoated paper labels and tags	Up to 152.4mm/sec	10 or 12 mil normal code	Typical ANSI Grade B
Coated paper labels and tags	Up to 203.2mm/sec	15 mil rotated code	Typical ANSI Grade B
Matte Synthetics	Up to 152.4mm/sec	15 mil rotated code	Typical ANSI Grade B

Performance Analysis

All of the below tests were performed on Z-Xtreme™ 4000T White using 10 cycles (20 rubs) with the Crockmeter.

Test Solvents	Zebra 2100 Performance
Glass Cleaner w/Ammonia	✓
Formula 409	✓
Motor Oil	
Brake Fluid	
Gunk Degreaser	
WD-40	
Genesolv	
Hexane	
Xylene	
Gasoline	
Acetone	
Alcohol (90% Isopropyl Alcohol)	✓

✓: Scanning received a “B” ANSI grade or above.

: Scanning received a “C” to “F” ANSI grade.

Blank: Barcode does not scan



Product Performance and Suitability

The information contained in this document is to be used for guidance only and is not intended for use in setting specifications. All purchasers of Zebra products shall be solely responsible for independently determining if the product conforms to all requirements of their unique application.

All products should be pre-tested to ensure they meet all intended requirements of specific end-use applications.

For testing of this ribbon on Zebra mid-range and high-performance printers please order part number 02100BK11005. For testing on other printer models, please contact your Supplies Specialist representative.