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## Z-Band® Direct

# Direct thermal printable wristbands

### Description:

White, direct thermal polypropylene wristbands, featuring a permanent synthetic rubber adhesive tab closure design. With tamper-evident slits and a patent-pending, antimicrobial coating, Zebra's Z-Band Direct bar code printable wristbands are the simplest way to improve patient safety.

### Suggested Applications

- Safe, secure, positive patient ID for hospitals
- Event admissions- sports, concerts, festivals etc.
- Water and amusement park admissions
- Cruise ships and resorts- cash free transactions

### Key features and benefits

Ease of use, ribbon-less printing. Quick and easy to print and secure.

Adult, child and neo-natal sizes available.

Adult size bands with colour options available.

Patent-pending antimicrobial coating, which new test results show, prevents the growth and survival of Methicillin-resistant *Staphylococcus aureus* (MRSA) Type II, Type III and Type IV in addition to *S. aureus*, *P. aeruginosa* and *E. coli*

Meets healthcare patient identification and safety requirements, removes risk of data left on ribbons.

Increased durability. The Z-Band Direct wristbands provide superior image durability and tensile strength.

Excellent print quality down to 5 mil narrow bar codes.

Latex-free, waterproof and resistant to smear, abrasion, alcohol, mild cleansers and more.

“MR-Safe” (*MR Safe*—an item that poses no known hazards in all MRI environments)



### Technical Specifications

	Description	Caliper
Facestock	Direct thermal polypropylene film	154 microns



## Z-Band® Direct Contd.

**Recommended Storage Conditions:** 6 months duration when stored between 0°C and 21°C at 35% to 50% RH

**Recommended Zebra printers:** HC100, desktop, mid-range and high-performance

**Expected Exterior Life:** Short term use only

### Recommended Darkness and Print Speed Settings

- **ZPL Printers** Darkness: 22 Print Speed: 2ips
- **EPL Printers** Darkness: 13 Print Speed: 2ips

### Applications with Chemicals

	Weak					Moderate				Harsh			Extreme				
	Blood	Body Fluid	Salt Water	Water	Window Cleaner	Alcohol	Ammonia	Bleach	IPA	Gasoline	Grease	Oil	Acetone	IR Reflow	MEK	TCE	Xylene
DT	X	X	X	X		X			X								

X indicates acceptable chemical resistance

### Z-Band Direct Performance and Durability

The image durability of a 5 mil narrow-bar 16 digit Code 128 bar code printed on a Zebra wristband at Zebra's recommended darkness and speed settings was measured by scanning with an MS 1690 Focus Area Imaging Bar Code Scanner after exposure to solvents, abrasion and water. For each test performed, a "Pass" or "Fail" was noted.

Pass= Immediate scan of barcode without repeated attempts

Fail= Failure of barcode to scan or required repeated attempts to scan

- Abrasion Test:** Pass: Exceeds 1000x with a dry crocking cloth
- Water:** Pass: Withstands total immersion in 40°C water for up to 6 hours
- 91% IPA:** Pass: Withstands 50x rubs with soaked cotton applicator
- 70% IPA:** Pass: Withstands 50x rubs with soaked cotton applicator
- Betadine:** Pass: Withstands 100x rubs with soaked cotton applicator
- Purell:** Pass: Withstands 50x rubs with soaked cotton applicator
- Tensile strength:** Pass: Withstands up to 45 pounds of force



## Z-Band® Direct Contd.

For details of durability testing and information regarding Zebra's patent-pending anti-microbial feature, please visit [www.zebra.com](http://www.zebra.com) or contact your Supplies representative.

### **Product Performance and Suitability**

All information on this document is to be used for guidance only and is not to be used for setting specifications. All purchasers of Zebra products shall be responsible for independently determining if the product conforms to all requirements of the application.

For testing of this product, please order SAMPLE66593.



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