



## Z-Band® 4000



Available  
from stock  
on ZipShip

|                            |  |   |                           |                     |             |
|----------------------------|--|---|---------------------------|---------------------|-------------|
| <b>Media Type</b>          | Label                                  |   | <b>Adhesive Type</b>      | Permanent           | ✓           |
|                            | Receipt                                |   |                           | Removable           |             |
|                            | Tag                                    |   |                           | No Adhesive         |             |
|                            | Wristband                              | ✓ |                           | <b>Environment</b>  | Indoor      |
| <b>Material Type</b>       | Paper                                  |   | Outdoor                   |                     | ✓           |
|                            | Synthetic                              | ✓ | <b>Properties</b>         | Cold Temperature    | ✓           |
| <b>Printing Technology</b> | Direct Thermal<br>(no Ribbon Required) |   |                           | Deep Freeze         |             |
|                            | Thermal Transfer<br>(Ribbon Required)  | ✓ |                           | High Tack           |             |
| <b>Finish</b>              | Matte                                  |   |                           | Chemical Resistance | <b>Mild</b> |
|                            | Gloss                                  | ✓ | <b>Suggested Vertical</b> | Healthcare          | ✓           |
|                            |  |   |                           | Hospitality         | ✓           |

### Additional Features

- Thermal transfer wristband for multiple day indoor and outdoor applications
- Superior image durability and a strong tear resistant material
- Permanent acrylic adhesive means bands cannot be removed and reapplied
- Excellent print quality down to 5mil narrow barcodes
- BPA free, latex free and waterproof
- Resistant to smearing, abrasion, alcohol, mild cleansers and hand sanitiser gels and other substances typically found in hospitals

### Suggested Applications

- Concerts and music festivals
- Corporate events
- Amusement and theme parks
- Sporting events
- Student identification for excursions
- Nightclubs
- Visitor and staff event identification
- Applications where cashless transactions or age verification is required

### Technical Specifications

|                  | Description                | Caliper         |
|------------------|----------------------------|-----------------|
| <b>Facestock</b> | Gloss white polyester      | 51 microns ±10% |
| <b>Adhesive</b>  | Permanent acrylic adhesive | 25 microns ±10% |
| <b>Liner</b>     | Matte polyester liner      | 51 microns ±10% |



**Recommended Zebra Printers:** Desktop, mid-range and high performance thermal printers capable of handling 25mm wide media

**Recommended Zebra Ribbons:** 5095

**Minimum Application Temperature:** 10°C  
When the label is applied, the environment and surface should be above this temperature

**Service Temperature Range:** -29°C to 149°C  
Following correct application and appropriate dwell time (usually 24hrs) the media will withstand this temperature range

**Recommended Storage Conditions:** 1 year duration when stored at 21°C at 50% RH  
Storage of product before use

**Expected Life Span in Application:** Indoor and outdoor, multiple day use  
Following correct application and appropriate dwell time (usually 24hrs) we expect, but do not warrant, a life span as indicated

### Expected Chemical Resistance

|      | 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 |
| 5095 | ✓     | ✓          | ✓          | ✓     | ✓              |          | ✓       | ✓      | ✓   |          |        |     |         |           |     |     |        |

“✓” indicates acceptable chemical resistance

### Z-Band Skin Irritation Testing

Independent laboratory test for skin irritability were conducted by Toxicant Corporation, 15 Wiggins Ave. Bedford, MA 01730, USA.

#### Test method

The test articles received a topical 4-hour application of the USP 0.9% Sodium Chloride for Injection (Nalco) and Cottonseed Oil (CSO) extracts of the Z-Band materials. After 72 hours, there were no signs of erythema or edema.

Z-Band wristbands were tested to FDA 21CFR, Part 58, referencing:

- ISO 10993-10, 2002, Biological Evaluation of Medical Devices—Part 10: Tests for Irritation and Delayed-Type Hypersensitivity
- ISO 10993-12, 2002, Biological Evaluation of Medical Devices—Part 12: Sample Preparation and Reference Materials
- ISO/IEC 17025, 2005, General Requirements for the Competence of Testing and Calibration Laboratories

Z-Band wristbands are not likely to cause dermal irritation and are considered a negligible irritant, according to Toxikon Corporation.

### **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.

For testing of this product, please contact your Supplies Specialist Representative.

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