

Z-Xtreme™ 5000T White

Media Type	Label	✓	Film Type	Polyethylene	
	Receipt			Polyolefin	
	Tag			Polypropylene	
	Wristband			Polyester	✓
				Polyimide	
Material Type	Paper		Properties	Cold Temperature	✓
	Synthetic	✓		Deep Freeze	✓
Printing Technology	Direct Thermal (no Ribbon Required)			High Temperature	
	Thermal Transfer (Ribbon Required)	✓		Ultra High Temperature	
Adhesive Type	Permanent	✓		High Tack	
	Removable			Chemical Resistance	Extreme
	No Adhesive				
Finish	Matte	✓	Environment	Indoor	✓
	Gloss			Outdoor	✓

Note: Z-Xtreme™ 5000T White must be used in conjunction with Image Lock™ ribbon to obtain the chemical resistance shown by our tests. It is a two-part solution and other resin ribbons will not print on this material. This material is not suitable for pre-prints.

Additional Features

- Designed to resist exposure to the harshest chemicals and solvents such as Xylene and Acetone (for labels completely immersed in harsh chemicals, including H&E staining applications, we recommend 8000T LabResist)
- Excellent adhesion to a wide variety of substrates
- Withstands prolonged exposure to high temperatures and solvents
- Enhanced performance and chemical resistance when compare with standard Z-Xtreme™ products
- Tear and water resistant
- UL/cUL approved for electronic equipment and outdoor use, as a label which will last as long as the product

Suggested Applications

- Laboratory labelling and slide labelling to withstand chemical exposure
- Chemical resistant automotive labels to withstand harsh chemicals
- Top-side PCB labelling

- Asset and serial labelling

UL and cUL Recognised

UL and cUL approved for use with the following ribbons:

- Image Lock



Technical Specifications

	Description	Caliper
Facestock	Matte white topcoated polyester	75 microns
Adhesive	Permanent acrylic adhesive	24 microns
Liner	White glassine liner	56 microns
	Total	155 microns ±10%

Recommended Zebra Printers:

Desktop, mid-range and high performance thermal printers*

*please test before purchase if using in peel-off mode to ensure labels dispense appropriately

Recommended Zebra Ribbons:

Image Lock™

Minimum Application Temperature:

When the label is applied, the environment and surface should be above this temperature

10°C

Service Temperature Range:

Following correct application and appropriate dwell time (usually 24hrs) the media will withstand this temperature range

-40°C to 125°C

Recommended Storage Conditions:

Storage of product before use

1 year duration when stored at 21°C at 50% RH

Expected Life Span in Application:

Following correct application and appropriate dwell time (usually 24hrs) we expect, but do not warrant, a life span as indicated

Indoor use, for 1 year+
Outdoor use, for 1 year+

Suggested Ribbons for Applications requiring 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
Image Lock	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

For applications requiring labels to be completely immersed in harsh chemicals, such as H&E staining, we recommend 8000T LabResist.

180° Angle Peel Adhesion at Room Temperature (N/m):

Steel		Polycarbonate		Polyethylene	
5 min	24 hr	5 min	24 hr	5 min	24 hr
693	913	451	594	286	363

Note: For guidance only, not to be used for setting specifications

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 material please order sample roll SAMPLE66506.

Supplies are warranted against defects in workmanship and materials for a period of 1 (one) year from the date of shipment. For the complete warranty statement, please visit: www.zebra.com/warranty.