



Z-Xtreme 4000T White

Permanent labels

Thermal Transfer

Description

This unique white matte finished polyester label is specially designed to provide chemical and solvent resistance when matched with the correct Zebra ribbon (Refer to the **Z-Xtreme™ Product Selection Guide** to choose the Zebra ribbon most appropriate for your application.) The facestock provides excellent print quality, from small fonts to high density bar codes, with all matched Zebra ribbons. The acrylic adhesive, designed to adhere to a wide variety of substrates, will withstand prolonged exposure to high temperatures and solvents.

Suggested Applications

- UL/CSA compliance product labeling
- Top-side PCB labeling
- Asset labeling
- Automotive labeling
- Serial plate labeling
- Autoclave labelling in medical applications
- Labels exposed to acid or alkali solutions
- Chemical drum labelling
- Medical device labelling
- Electric motor labelling

Technical Specifications

	Description	Caliper
Facestock	Matt white coated polyester	50 microns
Adhesive	Permanent acrylic based adhesive	25 microns
Liner	White Glassine Liner	52 microns
		Total 127 microns

Recommended Zebra printers: high-performance thermal transfer printers
(testing is strongly recommended on mid-range printers)

Recommended Zebra ribbons: 5319, 3200, 4800, 5095
(5100 ribbon is recommended on high-performance printers only)

Minimum application temperature: 10°C

Service temperature range: -40°C to 150°C

Recommended storage conditions: One year duration when stored at approx 0°C to 21°C at 35% to 50% RH

Expected exterior life: three years



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Suggested Ribbons for Applications with Standard 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
3200	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X
5095	X	X	X	X	X	X	X	X	X		X	X					

Performance Characteristics

The following table serves as a guide when choosing the proper ribbon to maximise the chemical resistance with Z-Xtreme™ label stocks. Because wax/resin ribbons carry the characteristics of both wax and resin ink formulations they should be tested in all applications. Please refer to the **Z-Xtreme™ Product Selection Guide** for detailed information regarding specific ribbon performances.

Ribbon Compatibility Chart

Chemical Groups	Common Examples	5319 ribbon resistance	5095, 5100 ribbon resistance
Low molecular weight petroleum distillates	WD-40, Gunk Degreaser, Gasoline	Test	Recommended
High molecular weight petroleum distillates	Motor Oil	Test	Recommended
Chloro-Fluoro-Carbons	Genesolv 2004	Test	Not Recommended
Ketones	Acetone	Test	Not Recommended
Alcohols	Isopropyl Alcohol	Test	Recommended
Glycols/Diols	Brake Fluid, Skydrol	Test	Test
Ionic Solutions	Formula 409	Test	Recommended
Aromatic Hydrocarbons	Xylene	Not Recommended	Not Recommended
Aliphatic Hydrocarbons	Hexane	Not Recommended	Recommended



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UL/CSA Acceptances:

Z-Xtreme 4000T White with 5319, 5049, 3200, 4800, 5095 and 5100 ribbons is UL-recognized and CSA-accepted for indoor/outdoor use.

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

Steel		Polycarbonate		Polyethylene	
5 min	24 hr	5 min	24 hr	5 min	24 hr
440	572	517	825	275	319

Facestock Tensile Strength:

- Machine direction: 18,000 psi
- Transverse direction: 22,000 psi

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 SAM5433