

**FACT SHEET**

GENUINE ZEBRA SUPPLIES FOR OUTDOOR LABELING



## Genuine Zebra Supplies for Outdoor Labeling

Outdoor environments are one of the harshest applications and one of the most challenging to label. In addition to wide range of temperatures and moisture, the label needs to withstand UV light (which is the most demanding).

Zebra® offers a wide range of labels for outdoor applications. Choosing the right label, requires understanding the applications requirements, such as:

- Length of Outdoor Usage
- Harsh or Extreme Chemical Resistance
- Smear and Scratch Resistance
- Extreme Temperatures
- Curved Surfaces
- Pre-printed Color

### Key Applications

- Asset Labeling
- Chemical Drum
- Vending Machines
- Utility Meters
- Signs
- Posts
- Outdoor Pipes

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# Outdoor Labeling

	Outdoor Length (up to)	Application Temperature	Service Temperature	Key Material Attribute
<b>PolyPro™ — Polypropylene label with Matte finish</b>				
<b>3000T</b>	1-2 years	45° F 7° C	-65° F to 200° F -54° C to 93° C	Labeling small curved surfaces or irregularly shaped products
<b>3000T High-Tack</b>	1-2 years	32° F 0° C	-75° F to 200° F -59° C to 93° C	Labeling small curved surfaces or irregularly shaped products, High-tack adhesive
<b>4000T</b>	1-2 years	10° F -12° C	-40° F to 250° F -40° C to 121° C	Labeling small curved surfaces or irregularly shaped products
<b>4000T High-Tack</b>	1-2 years	35° F 2° C	-65° F to 200° F -54° C to 93° C	Labeling small curved surfaces or irregularly shaped products, High-tack adhesive
<b>Z-Xtreme™ — Polyester label with Matte finish, UL/cUL acceptances</b>				
<b>2000T</b>	3 years	50° F 10° C	-40° F to 302° F -40° C to 150° C	Resistant to harsh chemicals (ie. gasoline, oil), Permanent acrylic adhesive
<b>4000T</b>	3 years	50° F 10° C	-40° F to 302° F -40° C to 150° C	Resistant to harsh chemicals (ie. gasoline, oil), Permanent acrylic adhesive
<b>4000T High-Tack</b>	3 years	50° F 10° C	-40° F to 300° F -40° C to 149° C	Resistant to harsh chemicals (ie. gasoline, oil)
<b>5000T</b>	3 years	50° F 10° C	-40° F to 300° F -40° C to 149° C	Resistance to extreme chemicals (ie. acetone, xylene), High-tack adhesive
<b>Z-Ultimate® — Polyester label with Gloss finish, UL/cUL acceptances</b>				
<b>2000T</b>	3 years	50° F 10° C	-40° F to 302° F -40° C to 150° C	Unparalleled smear and scratch resistance, Best overall value and performance
<b>2000T Color-Stay</b>	2 years	50° F 10° C	-40° F to 302° F -40° C to 150° C	Unparalleled smear and scratch resistance, Overlamine protects pre-print from fading
<b>3000T</b>	3 years	50° F 10° C	-40° F to 302° F -40° C to 150° C	Unparalleled smear and scratch resistance
<b>4000T</b>	3 years	50° F 10° C	-40° F to 302° F -40° C to 150° C	Unparalleled smear and scratch resistance
<b>4000T High-Tack</b>	3 years	50° F 10° C	-40° F to 302° F -40° C to 150° C	Unparalleled smear and scratch resistance, High-tack adhesive

	Outdoor Length (up to)	Application Temperature	Service Temperature	Key Material Attribute
<b>Z-Endure™ — Acrylic label</b>				
<b>3000T</b>	7 years	50° F 10° C	-40° F to 176° F -40° C to 80° C	Long-term outdoor durability
<b>4000T</b>	10 years	50° F 10° C	-40° F to 302° F -40° C to 150° C	Long-term outdoor durability
<b>Specialty</b>				
<b>8000T Low-Temp Gloss</b> Polypropylene label with Gloss finish	1-2 years	50° F 10° C	-112° F to 200° F -80° C to 93° C	Extremely cold temperatures
<b>8000T Vinyl Outlast</b> Vinyl label with Semi-Gloss finish	5 years	50° F 10° C	-40° F to 170° F -40° C to 77° C	Curved surfaces as small as 2 mm in diameter

For more information about Genuine Zebra Supplies for Outdoor Labeling, visit [www.zebra.com/labels](http://www.zebra.com/labels)



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