

## 8000T Z-Endure™

<b>Media Type</b>	Label	✓	<b>Film Type</b>	Acrylate	✓
<b>Material Type</b>	Synthetic	✓	<b>Properties</b>	Cold Temperature	✓
<b>Printing Technology</b>	Direct Thermal (no Ribbon Required)			Deep Freeze	✓
	Thermal Transfer (Ribbon Required)	✓		High Temperature	✓
<b>Adhesive Type</b>	Permanent	✓		Ultra High Temperature	
	Removable			High Tack	
	No Adhesive			Chemical Resistance	<b>Mild</b>
<b>Finish</b>	Matte		<b>Environment</b>	Indoor	✓
	Gloss	✓		Outdoor	✓

Note: 8000T Z-Endure™ is not recommended for fanfold applications.

### Additional Features

- A gloss white topcoated acrylic label offering 10 years outdoor durability when used in conjunction with recommended Zebra printers and ribbons
- Excellent adhesion to a wide variety of surfaces
- Superior resistance to extreme environmental conditions
- BPA free
- Latex free adhesive

### Suggested Applications

- Asset labelling
- Product labelling for long term durability e.g. pipes, utility meters and lamp posts
- Product identification labels for outdoor tools and equipment
- Rating labels for security alarms

### Technical Specifications

	Description	Caliper
<b>Facestock</b>	Gloss white topcoated acrylic	50 microns
<b>Adhesive</b>	Permanent rubber adhesive	23 microns
<b>Liner</b>	White glassine liner	81 microns
Total		154 microns ±10%

**Recommended Zebra Printers:** P4T, desktop, mid-range and high performance thermal printers

**Recommended Zebra Ribbons:** 4800, 5095, 5100

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

**Service Temperature Range:** -40°C to 100°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 use, for 1 year+  
Outdoor use, for 3 years+  
Following correct application and appropriate dwell time (usually 24hrs) we expect, but do not warrant, a life span as indicated

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

Steel		Polycarbonate		Polyethylene	
5 min	24 hr	5 min	24 hr	5 min	24 hr
1100	1337	836	1322	409	448

#### QUV Weathering Machine Results

Adhesive Durability	Facestock Appearance	Print Quality	Facestock chalking, cracking, shrinkage
No Change	No Change	No Change	None observed at 5,000 hours. Very slight chalking at 10,000 hours.

Test Method: Samples were printed with Zebra 5095 and 5100 ribbons  
Applied to aluminium panels at room temperature  
QUV Weathering Machine Cycles  
8 hours UV at 60°C  
4 hours condensation at 50°C

Note: 1,000 hours in QUV Weathering Machine with the above cycles approximates one year Southern Florida exposure.

### **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 SAMPLE5827.



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