Destructible RFID Windshield Tags

We took our best-selling RFID Windshield Tags and made them even better! Using destructible material to construct the tag itself we've made it virtually impossible to remove in one piece – increasing the security features of the tag and the potential applications in which the tag can be used. These features make this the perfect product for access control applications where security is a high priority or you want to eliminate the transfer of tags to other vehicles, i.e., loyalty programs at car washes, parking, etc.

Just like its non-destructible counterpart this tag features subsurface printing ensuring crisp details on even the most complex logos for maximum clarity. Four color processing is also available for limitless design and color options. This product utilizes passive RFID technology and provides a read range of 30+ feet.

Features	Tag designed to destruct upon removal from windshield Double sided printing option available Specialized inlays read well both attached to and through windshield glass Compatible with RFID Tracking Software
Product Print Options	Barcode . Data Matrix . QR Code . RFID . Serial Number . Text
Product Functionality	Abrasion Resistance . Chemical Resistance . Heat Resistance . UV/Outdoor Durability
Popular Applications	Government . Transportation / Logistics . Hospitals . Schools
Category	Access Control - RFID . RFID for Glass Surfaces

Potential Applications For Destructible RFID Windshield Tags

Access Control – the RFID inlay and barcode/human readable information on

METAL CRAFT
ID MADE BETTER

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Metalcraft Destructible RFID Windshield Tags can be used to track and control vehicle access both in and out of secure facilities like gated communities, corporate parking lots, etc.

Specifications Data

Material	RFID inlay encapsulated between .002” thick destructible material
Serialization	Bar code and human-readable equivalent is produced using the latest high-resolution digital technology available, which provides excellent clarity and easy scanning. Code 39 is the standard symbology with a range of 2.7 to 9.4 CPI (characters per inch). Optional symbologies include Code 128, 2D Data Matrix, QR and more.
Label Copy	The label copy may include block type, stylized type, logos or other designs. All copy, block type, stylized type, logos, designs and bar code are surface printed.
Colors	Standard colors include black, red, yellow, green, dark blue, purple, orange or blue. Custom spot colors are also available at no additional charge. Due to contrast needed for the bar code scanner, all bar codes are black.
Standard Adhesive	High performance adhesive
Frequency Range	860-960 MHz
Sizes	4.1875" x 1.25"
Packaging	Produced and shipped in roll form.

Chemical Testing

This rating measures label adhesion after being exposed to chemicals listed below for a 2-hour, 24- hour and 72-hour soak.

Chemical Test Data

Length of immersion	Water	Glass cleaner	Bathroom cleaner	Alcohol	Acetone	NaOH	HNO3	HCl	Brake Fluid	Diesel Fuel
2 hours	no effect	no effect	no effect	no effect	Very slight delamination	no effect	no effect	no effect	no effect	no effect
24 hours	no effect	no effect	no effect	Adhesive slightly softenened at edges	Delaminated	no effect	no effect	no effect	no effect	no effect
72 hours	no effect	no effect	no effect	Parially delaminated	Delaminated	no effect	no effect	no effect	no effect	Partially delaminated

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Destructive Testing

Destructive Test Data

Temperature Testing

Tag performs in temperature range of -40°F to 185°F. Note: Tag performance is limited to performance of inlay.
Temperature Test Data

Read Range Testing

Tag has an average read range of 30 ft using Infinity510 portal reader on glass at 24 dbm (1/4 of maximum reader power) and has a read range of 21 ft using Symbol MC906R handheld reader at 30 dbm (full power).
Read Range Test Data

Barcode Readibility Testing

Barcode Readability Test Data

Abrasion Testing

Abrasion Test Data

Label Adhesion Testing

This rating measures label adhesion after being exposed to chemicals listed below for a 2-hour, 24- hour and 72-hour soak.

Label Adhesion Test Data

Pull Testing

Pull Test Data

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