



Controlling vehicle access to individual locations – whether it's corporate facilities, gated communities, or downtown parking lots – can be challenging. Eliminate the need for on-site staff and the hassle of stopping for a card reader with our RFID Windshield Tags.

Unlike other windshield tags on the market, our RFID Windshield Tag utilizes passive RFID UHF (ultra-high frequency) technology, offering a more economical option to the active windshield tags available. Encased between thin layers of polyester, the specialized inlay doesn't require a standoff to read either through or on a glass windshield. This product provides a read range of approximately 20+ ft. A tamper-evident option with strategically placed slits in the label and adhesive layers is also available at no additional cost.

If you're looking for other RFID labels for glass surfaces, [click here](#).

What is the RFID tag on a car windshield?

Features

- Specialized inlays read well through windshield glass
- Unlimited color options with choice of up to four standard or custom colors
- Digital printing process provides for greater print capability with detailed logos or special designs
- High frequency (HF) RFID Tags available
- Double-sided registered option available
- 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 . Schools

Category

- Access Control - RFID . Asset Tracking . Custom Asset Tags . RFID for Glass Surfaces

Different applications for RFID tags on car windshields include inventory tracking and access control with the later becoming more and more popular. Gated communities, corporate parking and even car washes use RFID tags on car windshields for their access control applications.

How do you put a tag on a windshield?

Adhering a tag to a windshield using a pressure-sensitive adhesive is the most popular way to put a tag on a windshield. There are specialized adhesives that work well with glass surfaces. In addition, many of these adhesives are clear; thereby not discoloring the printed material on the tag.

Potential Applications for RFID Windshield Tags

Access Control - the RFID inlay and barcode/human readable information on Metalcraft 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.

For more information about RFID Windshield tags, read our case study, [Speeding Up The Toll Process](#) or our blog, [RFID Windshield Tags: Access To New RFID Applications](#).

Specifications Data

Material	Polyester
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 are available.
Label Copy	The label copy may include block type, stylized type, logos or other designs. All copy, block type, logos, designs, and bar code are subsurface printed. This unique process provides excellent resistance to solvents, caustics, acids and moderate abrasion.
Colors	Standard colors include black, red, yellow, green, dark blue, orange, purple 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	UHF = 860-960 MHz; HF = 13.56 MHz
Sizes	4.1875" x 1.125"; 2.5" x 0.75"
Packaging	Produced and shipped in roll form

Chemical Testing

Chemical Test Data

Destructive Testing

Destructive Test Data

Temperature Testing

Tag performs in temperature range of -13°F to 175°F. Note: Tag performance is limited to performance range of inlay.

Temperature Test Data

Read Range Testing

Tag has a read range of 18 ft using Motorola AR400 portal reader 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 Readability 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 soak.

Label Adhesion Test Data

Test conditions	Result
Isopropyl alcohol	No effect
Acetone	Label falls off
Water	No effect
Bath soap	No effect
Pyroil brake fluid	Label falls off
Glass cleaner	no effect

Pull Testing

Pull Test Data
