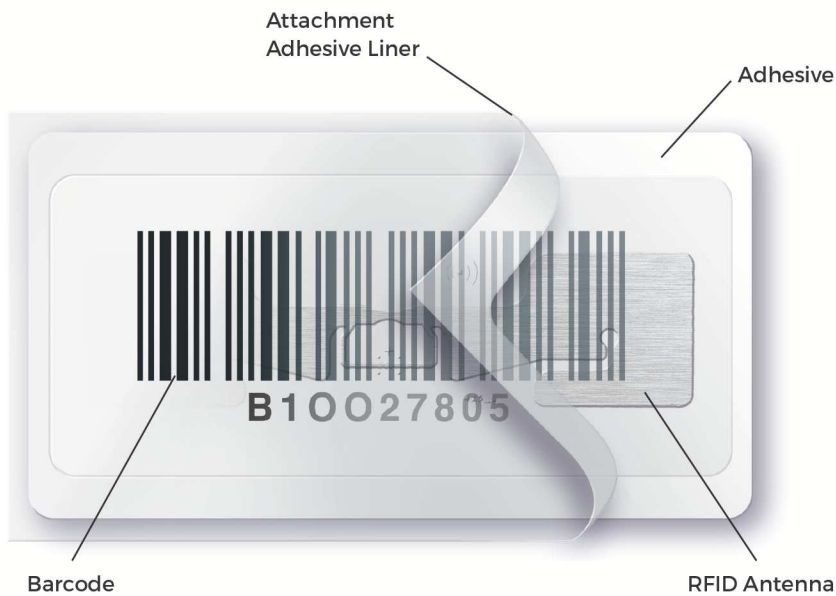


Onsite Printable RFID Windshield Tag



The onsite printable windshield tag is specifically designed to allow easy printing and encoding of RFID tags on-demand, providing a reliable, cost-effective solution for your RFID windshield tag needs.

The removable adhesive is perfect for those times you need a “temporary” tag - whether it’s for rental cars, rental equipment or controlling guest vehicle access to corporate facilities, gated communities or downtown parking lots - the onsite printable windshield tag offers an affordable option when you require a temporary tag that needs to be printed on-demand.

Interior mount feature adds a layer of security to ensure the tag is not removed.

Key Market Features

- Specialized inlay reads well through windshield glass.
- EZ-Peel adhesive makes tag easily removable while leaving no residue behind.
- Designed for easy setup for printing and RFID encoding
- Thermal transfer printer receptive
- Ideal for use on rental cars, rental equipment and for controlling guest vehicle access to corporate facilities, gated communities or downtown parking lots



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Material: Thermal transfer printable 2.3 mil polypropylene.

Ribbon Recommendations: Metalcraft recommends using a full resin ribbon or other ribbon that is compatible with synthetic film.

Frequency range: UHF = 860-960 MHz; HF = 13.56 MHz

Adhesive: EZ-Peel Removable adhesive.

Standard Size: 4.375" X 2.875" with Smartrac Dogbone R6 inlay; contact your ID Specialist for additional size options.

Shipment: Approximately 15-25 work days depending on order quantity and inlay availability.

Test Results

These tests were conducted for a limited period of time in strict laboratory conditions. In order to achieve maximum satisfaction we highly recommend that any customer considering use of this product test the labels in the environment in which they will be used.

Read Range Test: Theoretical read range measured in Voyantic anechoic chamber is 42' on glass with the Smartrac Dogbone R6 inlay.

Temperature Test: Two tags were applied to glass panels at ambient room temperature conditions and placed in a freezer set to -20°F for 24 hours. Samples retained a good bond to the glass panels and removed easily while still in the freezer just prior to removal after 24 hours. Tag inlays were still readable with the Alien ALH-9000 handheld reader post-exposure.

Two tags were applied to glass panels and subject to 150°F, 175°F, and 200°F for 1 hour each. The tags retained a good bond to the panels, and no deterioration of the tags was observed. Tag inlays were still readable with the Alien ALH-9000 handheld reader post-exposure.

Weathering test per ASTM D4329: Two tags were applied to a clear glass panel subject to QUV exposure for 2013 hours. Tags showed no signs of deterioration with the removable adhesive retaining a good bond to the glass and the tags removed clean with no residue left behind on the glass post exposure. No reduction in read range was observed post exposure.

Chemical soak test - Samples applied to glass panels and immersed in Metalcraft standard chemicals with observations taken after 2, 24, and 48 hours.

Length of Immersion	5% Salt Water	Glass Cleaner	Bathroom Cleaner	Isopropyl Alcohol 99%	Diesel Fuel	NaOH pH 12.0	HNO ₃ pH 1.0	HCl pH 1.0	Brake Fluid
2 Hours	NE	AL	AL	AO	AO	NE	NE	NE	NE
24 Hours	NE	AL	AL	AO	AO	NE	NE	NE	NE
48 Hours	NE	AL	AL	AO	AO	SC	NE	SC	NE

NE = No Effect, AO = Adhesive Ooze, TD = Tag Delaminated, PE = Surface Print Erosion, NR = Tag No Read, CD = Construction Delaminated, SC = Surface Corrosion, AL = Adhesion Loss

Read range test - Theoretical read ranges in the Voyantic anechoic chamber based on testing 5 samples using the Smartrac Dogbone R6 inlay.

Metal RFID Plate Anechoic Chamber Results

Sample Average	GLASS 42 ft	PLASTIC 38 ft