RFID On Site Printable Windshield Tags

Metalcraft's Onsite Printable RFID Windshield Tag is specially designed to allow easy printing and encoding of RFID tags on-demand, providing a reliable, cost-effective solution for your tracking application.

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 RFID Tag offers an affordable option when you require a temporary tag that needs to be printed on-demand.

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 Compatible with RFID Tracking Software
Product Print Options	RFID
Product Functionality	Abrasion Resistance . Chemical Resistance . Heat Resistance . UV/Outdoor Durability
Popular Applications	Inventory . Theme parks . Trade show . Zoo
Category	Equipment Rental . Access Control - RFID . RFID for Glass Surfaces

Specifications Data

Material	Thermal transfer printable 2.3 mil polypropylene.
Standard Adhesive	EZ-Peel Removable adhesive.
Frequency Range	UHF = 860-960 MHz; HF = 13.56 MHz
Sizes	4.375" x 2.875"
Packaging	Shipped on convenient rolls

Chemical Testing

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

Chemical Test Data

Length	5% salt water	Glass cleaner	Bathroom cleaner	Isopropyl alcohol 99%	Diesel fuel	NaOH pH 12.0	HCl pH 1.0	Brake fluid
2 hours	no effect	Adhesion loss	adhesion loss	adhesive ooze	adhesive ooze	no effect	no effect	no effect
24 hours	no effect	adhesion loss	adhesion loss	adhesive ooze	adhesive ooze	no effect	no effect	no effect
	no effect	adhesion loss	adhesion loss	adhesive ooze	adhesive ooze	surface corrosion	surface corrosion	no effect

Destructive Testing

Destructive Test Data

Temperature Testing

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.

Temperature Test Data

Read Range Testing

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

Read Range Test Data

	Glass	Plastic
Sample average	42 ft	38 ft

Barcode Readibility Testing

Barcode Readability Test Data

Abrasion Testing

Abrasion Test Data

Label Adhesion Testing

Label Adhesion Test Data

Pull Testing

Pull Test Data