

Access Control RFID Products



Controlling vehicle access to individual locations can be a challenge!

Whether it's for corporate facilities, gated communities or downtown parking lots eliminate the need for on-site staff and the hassle of stopping for a card reader with our **Access Control RFID Products**.

Both the **Windscreen Tag & Rearview Mirror Hang Tag** products feature a subsurface digital printing process, which ensures crisp details on even the most complex logos for maximum clarity.

Four color printing process is also available for limitless design and color options.

RFID Windscreen Tag

Unlike other windscreen tags on the market, our **RFID Windscreen Tag** utilises passive RFID technology offering a more economical option to the active windscreen tags available. Encapsulated between thin layers of polyester, the specialized inlay doesn't require a standoff to read either through or on a glass windscreen. This product provides a read range of approximately 5+ metres* (18+ feet.)*

For added security a tamper evident option with strategically placed slits in the label and adhesive layers is also available at no additional cost.

Rearview Mirror RFID Hang Tag

Like the **RFID Windscreen Tag**, the **Rearview Mirror Tag** is an optimal choice for access control in parking lots, gated communities and anywhere vehicles come and go. The logo and bar codes are subsurface printed on thicker polyester for durability and rigidity.

The **Rearview Mirror RFID Tag** also provides excellent read range, being completely removable and reusable makes it perfect for temporary access control applications when you need to avoid permanent attachment to the windscreen.

Ask about our HF access control products!



Phone: 0490 039 278
www.idtracon.com.au
email: sales@idtracon.com.au

Key Product Features

- Specialised inlays read well both attached to and through windshield glass
- Read ranges of 18+feet*
- **Windscreen Tag** is made of a thinner, more flexible polyester
- **Rearview Mirror Tag** is made of a thicker, more rigid polyester
- Unlimited color options with choice of up to four standard or custom colors
- Subsurface digital printing process provides for a more durable tag and a greater print capability for detailed logos or special designs
- High frequency (HF) RFID Tags are available too

*Read range differs by environment and reader type

Not sure what product you need?
Contact **Peter Laws** for expert advice

0490 039 278



Access Control RFID Products Specifications

Windscreen Tag Construction: Specialised RFID inlay is encapsulated between 0.05 mm (0.002") thick white polyester; approximately 0.60 mm (0.024") total product thickness.

Rearview Mirror Tag Construction: Specialised RFID inlay encapsulated between a 0.07 mm (0.003") laminated thick polyester laminated to 0.25 mm (0.010") thick polyester; approximately 0.66 mm (0.026") total product thickness.

Label Copy: The label copy may include block type, stylised type, logos or other designs. All copy, block type, stylised 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 and blue. All bar codes are imaged in black only due to contrast needed for the bar code scanner.

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 symbology* is Code 128.



The bar code and human readable can be programmed into the RFID inlay as long as the information is in decimal or hexadecimal format.

The programmed information can be locked, which prevents the RFID inlay from being rewritten.

We can encode up to 24 characters into the RFID inlay, if desired, we can encode information that differs from the bar code and human readable.

Frequency Range (both products):

UHF = 860-960 MHz: HF = 13.56 MHz

Windscreen Tag

Standard Sizes: 102 mm x 25 mm, 111 mm x 29 mm

Rearview Mirror Tag

Standard Sizes: 89 mm x 89 mm, 89 mm x 165 mm

Windshield Tag Standard Adhesive: 0.05 mm (0.002") thick low surface energy, pressure sensitive adhesive (MC71FL)

Rearview Mirror Tag Affixing Method: Hanging tag

Shipment: For either product allow approximately 25-30 work days depending on order quantity and inlay availability.

To Order: call: 0490 039 278 (*Customer Service*)
email: sales@idtracon.com.au

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: Tag has a read range of 5 metres (18 ft) using AR400 portal reader at 24 dbm (1/4 of maximum reader power) and can achieve a read range of 6 metres (21 ft) using Symbol MC906R handheld reader at 30 dbm (full power).

Temperature Test: Tag performs in temperature range of -25°C to 79°C (-13°F to 175°F).

Note: Tag performance is limited to performance range of inlay.

Label Adhesion Test: This rating measures label adhesion after being exposed to chemicals listed below for a 2 hour soak.

Test Conditions	Rating
Isopropyl Alcohol	100
Acetone	25
Water	100
Bath Soap	100
Pyroil Brake Fluid	25
Glass Cleaner	100

Chemical emergence tests are rated on a scale of 100 to 0:

100 = No Effect 25 = Label Falls Off
75 = Oozing Adhesive 0 = Label Destroyed
50 = Label Slides Off



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