Access Control RFID
PRODUCT LINE

For access control applications involving people Metalcraft offers a variety of different products. Every one of these products feature different RFID technology options – including NFC (near-field communications) to facilitate contactless payments. Each product is also digitally printed to showcase graphics and company logos.

Our RFID Wristbands feature excellent read range and our RFID Credential Tags showcase graphics and company logos with crisp, photographic quality image clarity. The RFID Key Fob offers the same durability as our RFID Hang Tag, but with a metal grommet for added durability for use with keys.

Applications

- Access Control
- Event Management

Products

RFID Credential Tags

RFID Key Fobs

RFID Wristbands

RFID Race Timing Tags

Specifications

Product	Material	Affixing Method	Standard Sizes	Read Range*	Frequency
RFID Key Fobs	Polyester	Hanging tag	2.75" x 1" with 5/16" ID hole	Varies depending on inlay	HF, UHF and NFC
RFID Wristbands	Polypropylene	Pressure sensitive adhesive	9.75" x 1"	Varies depending on inlay	HF, UHF and NFC
RFID Credential Tags	Polyester or polycarbonate	Hanging tag	3.75" x 2.125", 4.125" x 2.5", 5" x 3"	Varies depending on inlay	HF, UHF and NFC
RFID Race Timing Tags	Polypropylene	Pressure sensitive adhesive	4" x 1.25"	Varies depending on inlay	UHF

Theoretical read ranges based on anechoic chamber tests

Test Results – RFID Wristbands

Exposure tests were performed on RFID wristbands. These tests included exposure to chemicals/products normally in contact with wristbands at outdoor events and waterparks.

Full Sample Submersion	Chlorine Water	Saline Pool Water	Tap Water	Insect Repellent	Sunscreen	Hand Lotion	Hand Soap
Inlay Survived/Readable	4+ days	4+ days	4+ days	4+ days	4+ days	4+ days	4+ days
Print Condition	4+ days	4+ days	4+ days	4+ days	4+ days	4+ days	4+ days
Adhesive Condition	Secure/remains tamper evident	Secure/remains tamper evident	Secure/remains tamper evident	Adhesive lifted without destruction*	Adhesive lifted without destruction*	Secure/remains tamper evident	Secure/remains tamper evident