

## Platinum Metal Skin



Xerafy's Platinum Metal Skin UHF RFID smart label offers a high performance yet cost-effective solution for tagging metal- and liquid-filled items. Manufacturers and retailers who have increased operational efficiency and tightened inventory accuracy with the use of RFID can now extend to more product categories including housewares, electronic equipment and cosmetics with Xerafy Metal Skin smart label.



Compact form factor



Easy to use and quick to apply



Printable



Lightweight and flexible with paper-thin profile



Cost effective



- IT asset and laptop tracking
- Global supply chain management
- Cylinder tracking
- Foil-based packaging tracking

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### Performance Characteristics

Read range on metal <sup>1</sup>	Up to 6.6 ft (1.5 m)
Read range off metal <sup>1</sup>	Up to 3.9 ft (1.2 m)
Polarization	Linear
Mounting system	High performance adhesive

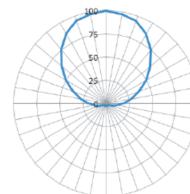
1. Actual read range may vary based upon use case and antenna power.

### Functional Specifications

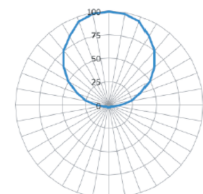
RF protocol	EPC global Class 1 Gen2
Frequency	902-928 (US) , 865-868 (EU)
IC type (chip)	Alien higgs4
Memory	128-EPC bits, 128 -bit user memory, 96-bit TID
Face material	White thermal transfer face stock

### Radiation Pattern

On metal

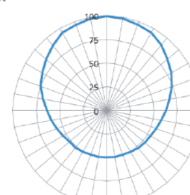


Horizontal

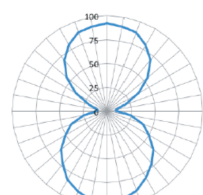


Vertical

Off metal



Horizontal



Vertical

## Environmental Specifications

Operational temperature	-40°C to +85°C
Survival temperature	-40°C to +85°C (long term)
Shock (drop)	3 ft (1 m) to concrete/granite
Vibration	MIL-STD-810G
Compression strength	14 psi (97 kPa)
Printer compatibility	Sato CL4NX Toshiba B-SX4T/XS5T

## Industry Compliance

RoHS	EU Directive 2011/65/EU
CE	Yes
ATEX/IECEX	Compliant
Warranty	1 year

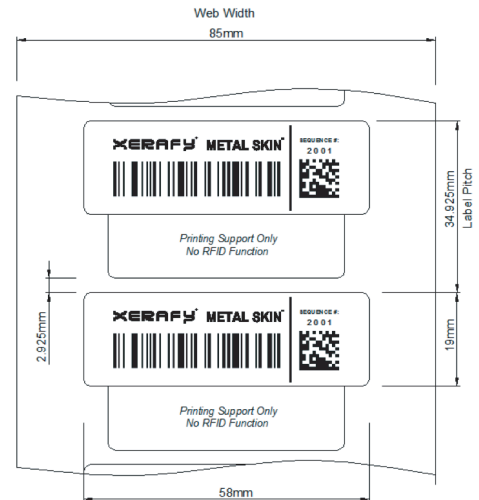
## Order Information

X50A1-US100-H4	Platinum Metal Skin Label US
X50A1-EU100-H4	Platinum Metal Skin Label EU
Optional service	encoding / printing



## Product Dimensions and Weight

Dimensions (in)	2.28 x 0.75 x 0.03
Tolerance	+/- 0.04
Dimensions (mm)	58 x 19 x 0.8
Tolerance	+/- 0.1
Delivery format	On roll
Quantity per roll	1000
Weight(roll)	3.53 lbs (1.6 kg)



## Installation Instructions

Instructions for optimal performances:

1. Clean the surface using Isopropyl alcohol, alcohol pad or equivalent solvent to ensure surface is free from dirt, dust, oil and misc, debris that may affect adhesion.
2. Handle the label by edges, peel release liner from back ensuring not to touch the adhesive.
3. Place the label in desired tagging location and firmly apply even pressure to the label for 5 seconds.
4. Do not disturb newly mounted label for at least 15 minutes to ensure proper adhesive seating.

### About Xerafy

Xerafy designs and manufactures the world's toughest RFID tags to power Industrial IoT applications in Aerospace, Oil & Gas, Automotive, Healthcare and Manufacturing.

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