



# Omni-ID Label Tags

| Attachment Guidance



## Best Practices Guide:

Omni-ID products are supplied as standard with a durable label finish. When supplied in a label finish, Omni-ID products can be attached to items using the high performance self-adhesive provided on the back of the tag.

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## Omni-ID is RFID, redefined.

We eliminated the interference to metals and liquids that cause conventional RFID tags to underperform in harsh environments. Our breakthrough technology enables you to track high value assets and manage supply chains with over 99.99% accuracy. Yet, not only have we developed the industry's most reliable RFID tags, we've also built alliances with the most trusted providers of RFID hardware, software, and solutions. Together, we can ensure that you have a complete solution that meets your unique requirements. All of which explains why a growing number of companies are choosing to identify with Omni-ID. Interested in joining them? [Contact Omni-ID today.](#)

## Apply with confidence.

In order to get the most durability out of your Omni-ID label tags please read this document carefully. Best practice should be observed for attachment to assets, especially when a long service life is required.

Adhesion Strength Data<sup>1</sup>

Substrate	Adhesion after 72 hours at room temp. using modified D-3330 test procedure	
	N/100mm	Oz/Inch
Stainless Steel	153	140
ABS	140	128
Polypropylene	149	136

Adhesion Technical Data<sup>1</sup>

Environmental parameter	Self-adhesive performance (after application to asset)
Humidity	Minimal
U.V. Exposure	Minimal
Water	No effect
Temperature	No effect up to 148°C for short periods (minutes, hours) and 93°C for long periods (days, weeks)

<sup>1</sup> Typical values, not for specification purposes, data is representative of attachment adhesive material only.



### Self-adhesive Attachment

By utilizing high-strength acrylic self adhesive, tags can be easily and quickly applied to assets. This solution provides a very high bond strength to most surfaces including plastics, metals, and even lightly oiled surfaces.

### How to apply.

To ensure optimal adhesive strength, please follow the recommended attachment process:

#### 1. Surface preparation

For maximum bond strength, the surface should be thoroughly cleaned and dried; solvents such as heptanes and isopropyl alcohol are typical. Carefully read and follow manufacturers' precautions and directions for use with cleaning solvents.

#### 2. Application temperature

Tags should ideally be applied to assets between 21-38°C (70-100°F). Not recommended below 10°C (50°F), as the adhesive becomes too firm to adhere to the item. Once attached, the bond strength is good across -40°C to 93°C temperature range for prolonged periods.

#### 3. Pressure

By applying firm progressive pressure to the top of the tag during application, the bond strength will be significantly improved.

#### 4. Time

Typically, bond strength improves as a function of time. After 15 minutes, the bond strength will be approximately 75 percent, with full bond strength achieved after 72 hours (based on tag application at room temperature).

## About Omni-Id

Omni-ID is the leading supplier of passive, low-profile UHF RFID solutions. Through its patent-pending technology, Omni-ID “cracked the code” to overcome the problems traditionally associated with RFID, enabling a broad range of new applications that improve accuracy and efficiency in asset tracking, supply chain management and work-in-process. The company’s family of versatile RFID tags works reliably in the harshest environments—including on, off, and near metal and liquids—and excels in solving tracking and identification challenges with unprecedented accuracy. With major offices in Foster City, Calif. and in the UK, Omni-ID’s mission is to drive the widespread adoption of RFID technology as the optimal tracking and identification solution. For more information on RFID Solutions, visit [www.Omni-ID.com](http://www.Omni-ID.com).

## Contact Omni-Id

Visit [www.omni-id.com](http://www.omni-id.com) to learn more about Omni-ID’s products and solutions.

### U.S. Office:

1065 East Hillsdale Boulevard, Suite 400  
Foster City, CA 94404  
650-571-OMNI (6664)

### European Office:

The Enterprise Centre  
Coxbridge Business Park  
Alton Road, Farnham, Surrey  
GU10 5EH, United Kingdom  
+44 (0)1252 748020

### European Office:

JapanOmni-ID Japan Office  
Ark Mori Building, 6F 12-32,  
Akasaka 1-chome, Minato-ku,  
Tokyo 107-6006 Japan  
+1 704-333-1533

Email [customer.services@omni-id.com](mailto:customer.services@omni-id.com) for product or technology inquiries.

Visit Omni-ID – the Leader in Passive RFID Tags for Asset Tracking



For more about RFID solutions visit [www.omni-id.com](http://www.omni-id.com) or  
contact us directly at [sales@omni-id.com](mailto:sales@omni-id.com).

Based in Rochester, NY, Omni-ID has developed original, patented technologies for on-metal and visual tagging to enable a broad range of applications to improve asset tracking, supply chain management and work-in-process. Omni-ID is the leading supplier of RFID tags and visual tagging systems for Manufacturing & Logistics, Energy, IT Assets and Tool Tracking. Omni-ID’s versatile family of products provides a complete range of tags and auto-ID solutions for tracking and identification challenges, with unprecedented accuracy, in any environment.